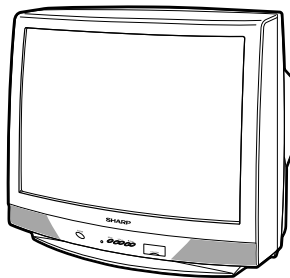
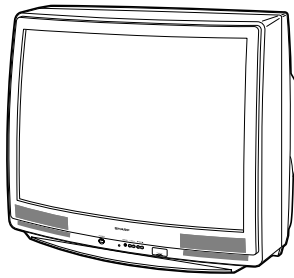


SHARP SERVICE MANUAL

S62K132U-S600



32U-S600



32U-S710

COLOR TELEVISION

Chassis No. GB-1

32U-S600
32U-S710

MODELS

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

CONTENTS

	Page
• ELECTRICAL SPECIFICATIONS	1
• IMPORTANT SERVICE SAFETY PRECAUTION	2
• LOCATION OF USER'S CONTROL	4
• INSTALLATION AND SERVICE INSTRUCTIONS	6
• SERVICE ADJUSTMENT	10
• CHASSIS LAYOUT	14
• BLOCK DIAGRAM	16
• SCHEMATIC DIAGRAMS	18
• PRINTED WIRING BOARD ASSEMBLIES	38
• REPLACEMENT PARTS LIST	45
• PACKING OF THE SET	59

ELECTRICAL SPECIFICATIONS

POWER INPUT 120V AC 60 Hz
POWER RATING 152W
PICTURE SIZE 3,073cm² (476sq inch)
CONVERGENCE Magnetic
SWEEP DEFLECTION Magnetic
FOCUS Hi-Bi-Potential Electrostatic
INTERMEDIATE FREQUENCIES
Picture IF Carrier Frequency 45.75 MHz
Sound IF Carrier Frequency 41.25 MHz
Color Sub-Carrier Frequency 42.17 MHz
(Nominal)
AUDIO POWER
OUTPUT RATING 3.0W + 3.0W (at 10% distortion and
Dual CH Operate)

SPEAKER
SIZE 12 x 6 cm oval (2 pcs.)
VOICE COIL IMPEDANCE 8 ohm at 400 Hz
ANTENNA INPUT IMPEDANCE
VHF/UHF 75 ohm Unbalanced
TUNING RANGES
VHF-Channels 2 thru 13
UHF-Channels 14 thru 69
CATV Channels 1 thru 125
(EIA, Channel Plan U.S.A.)

Specifications are subject to change without prior notice.

SHARP CORPORATION

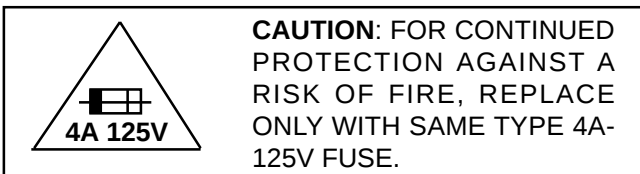
This document has been published to be used for after sales service only.
The contents are subject to change without notice.

IMPORTANT SERVICE SAFETY PRECAUTION

■ Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.
3. Semiconductor heat sinks are potential shock hazards when the chassis is operating.
4. The chassis in this receiver has two ground systems which are separated by insulating material. The non-isolated (hot) ground system is for the B+ voltage regulator circuit. The isolated ground system is for the low B+ DC voltages and the secondary circuit of the high voltage transformer.
To prevent electrical shock use an isolation transformer between the line cord and power receptacle, when servicing this chassis.



SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove the static charge by connecting a 10k ohm resistor in series with an insulated wire (such as a test probe) between the picture tube ground and the anode lead. (AC line cord should be disconnected from AC outlet.)

1. Picture tube in this receiver employs integral implosion protection.
2. Replace with tube of the same type number for continued safety.
3. Do not lift picture tube by the neck.
4. Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage anode completely.

X-RADIATION AND HIGH VOLTAGE LIMITS

1. Be sure all service personnel are aware of the procedures and instructions covering X-radiation. The only potential source of X-ray in current solid state TV receivers is the picture tube. However, the picture tube does not emit measurable X-Ray radiation, if the high voltage is as specified in the "High Voltage Check" instructions.
It is only when high voltage is excessive that X-radiation is capable of penetrating the shell of the picture tube including the lead in the glass material. The important precaution is to keep the high voltage below the maximum level specified.
2. It is essential that servicemen have available at all times an accurate high voltage meter.
The calibration of this meter should be checked periodically.
3. High voltage should always be kept at the rated value –no higher. Operation at higher voltages may cause a failure of the picture tube or high voltage circuitry and;also, under certain conditions, may produce radiation in exceeding of desirable levels.
4. When the high voltage regulator is operating properly there is no possibility of an X-radiation problem. Every time a color chassis is serviced, the brightness should be tested while monitoring the high voltage with a meter to be certain that the high voltage does not exceed the specified value and that it is regulating correctly.
5. Do not use a picture tube other than that specified or make unrecommended circuit modifications to the high voltage circuitry.
6. When trouble shooting and taking test measurements on a receiver with excessive high voltage, avoid being unnecessarily close to the receiver.
Do not operate the receiver longer than is necessary to locate the cause of excessive voltage.

IMPORTANT SERVICE SAFETY PRECAUTION

(Continued)

BEFORE RETURNING THE RECEIVER

(Fire & Shock Hazard)

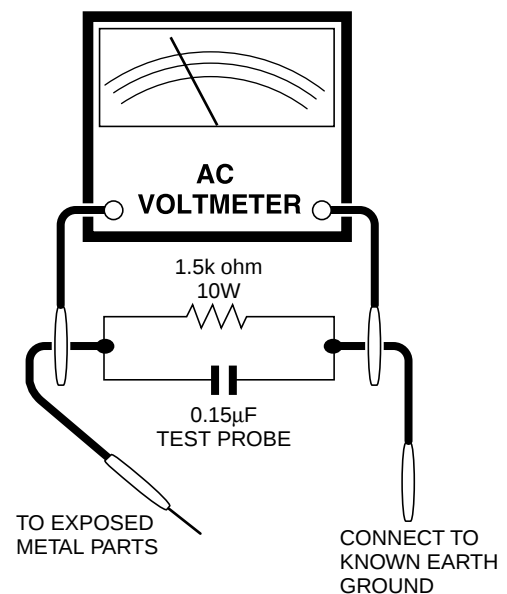
Before returning the receiver to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.
 - Plug the AC cord directly into a 120 volt AC outlet, (Do not use an isolation transformer for this test).
 - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to earth ground.
 - Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor.

- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC line cord plug connection reversed. (If necessary, a non-polarized adapter plug must be used only for the purpose of completing these check.)

Any current measured must not exceed 0.5 milliamp. Any measurements not within the limits outlined above indicate of a potential shock hazard and corrective action must be taken before returning the instrument to the customer.



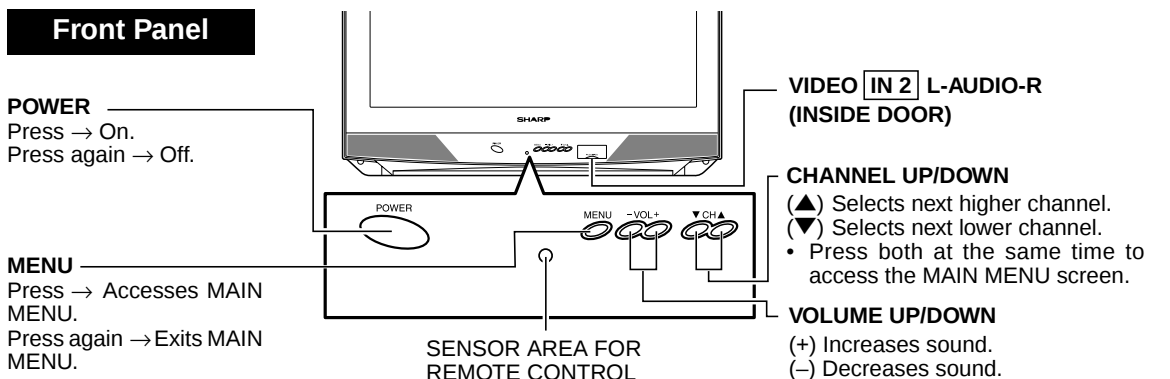
SAFETY NOTICE

Many electrical and mechanical parts in television receivers have special safety-related characteristics. These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

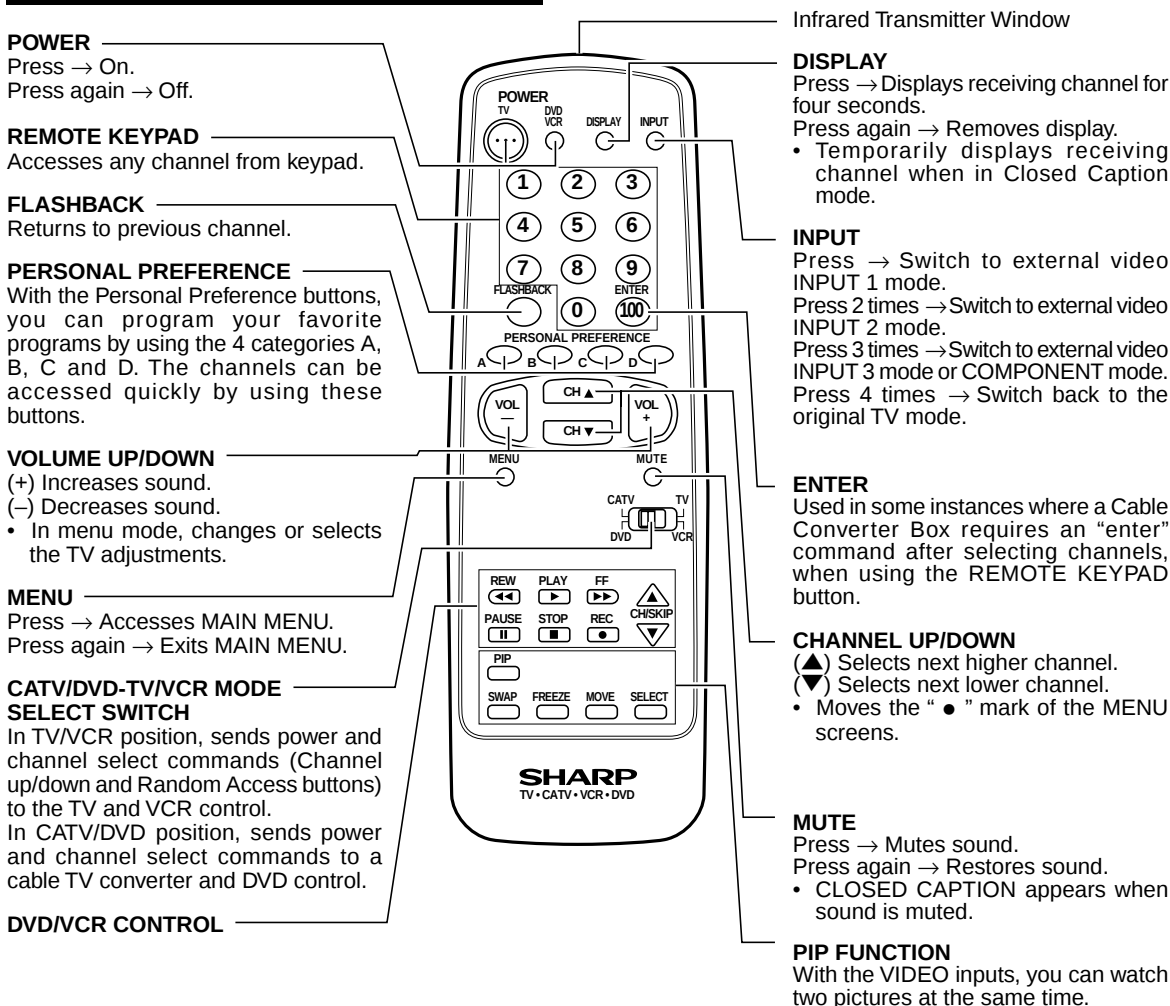
Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by " $\triangle$ " and shaded areas in the Replacement Parts Lists and Schematic Diagrams.

For continued protection, replacement parts must be identical to those used in the original circuit. The use of substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire, X-radiation or other hazards.

LOCATION OF USER'S CONTROL (32U-S600)



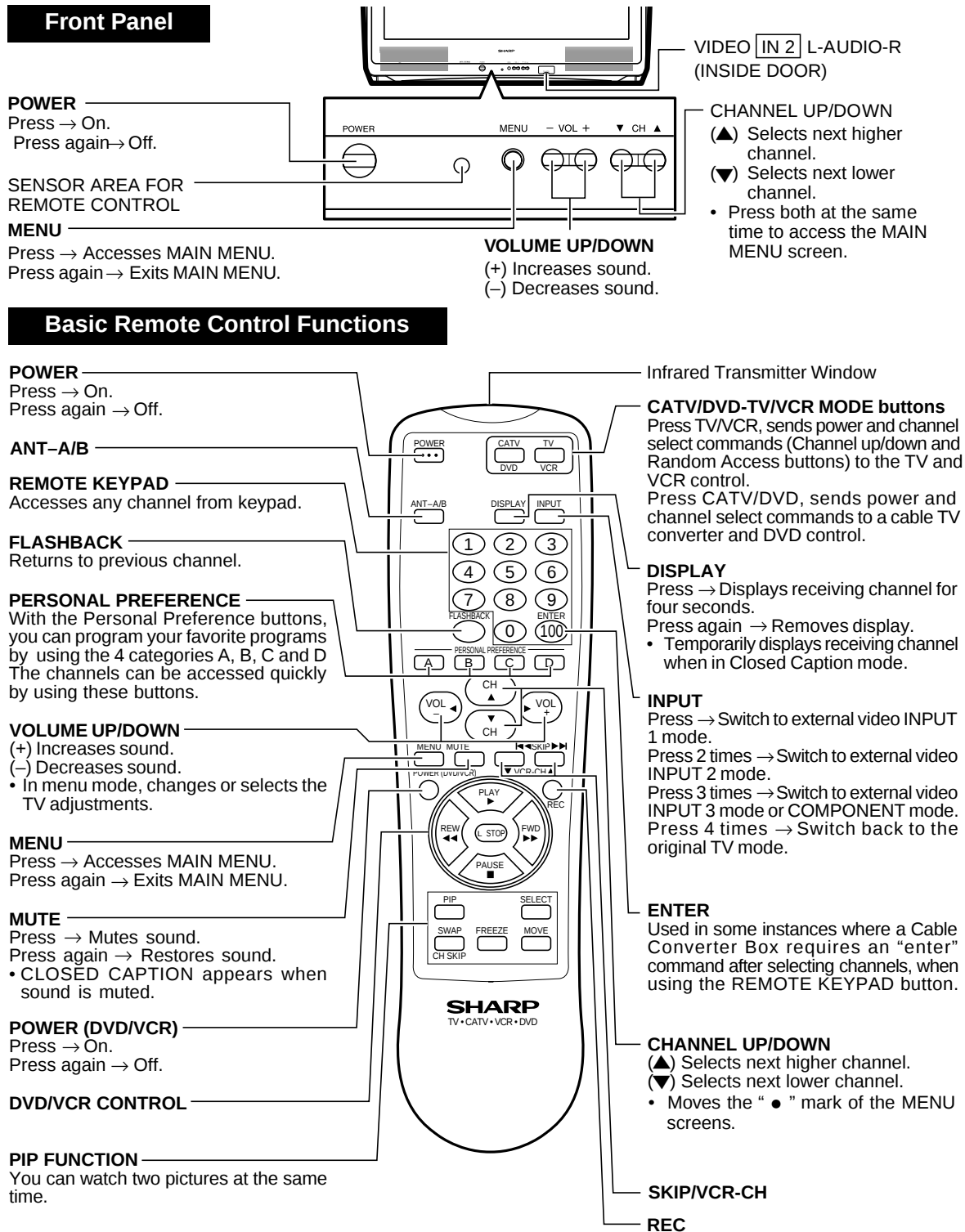
Basic Remote Control Functions



Note:

- The above shaded buttons on the Remote Control glow in the dark. To use the glow-in-the-dark display on the remote control, place it under a fluorescent light or other lighting.
- The phosphorescent material contains no radioactive or toxic material, so it is safe to use.
- The degree of illumination will vary depending on the strength of lighting used.
- The degree of illumination will decrease with time and depending on the temperature.
- The time needed to charge the phosphorescent display will vary depending on the surrounding lighting.
- Sunlight and fluorescent lighting are the most effective when charging the display.

LOCATION OF USER'S CONTROL (32U-S710)



Note:

- The above shaded buttons on the Remote Control glow in the dark. To use the glow-in-the-dark display on the remote control, place it under a fluorescent light or other lighting.
- The phosphorescent material contains no radioactive or toxic material, so it is safe to use.
- The degree of illumination will vary depending on the strength of lighting used.
- The degree of illumination will decrease with time and depending on the temperature.
- The time needed to charge the phosphorescent display will vary depending on the surrounding lighting.
- Sunlight and fluorescent lighting are the most effective when charging the display.

INSTALLATION AND SERVICE INSTRUCTIONS

- Note:** (1) When performing any adjustments to resistor controls and transformers use non-metallic screwdrivers or TV alignment tools.
(2) Before performing adjustments, the TV set must be on at least 15 minutes.

CIRCUIT PROTECTION

The receiver is protected by a 4.0A fuse (F701), mounted on PWB-A, wired into one side of the AC line input.

X-RADIATION PROTECTOR CIRCUIT TEST

After service has been performed on the horizontal deflection system, high voltage system, B+ system, test the X-Radiation protection circuit to ascertain proper operation as follows:

1. Apply 120V AC using a variac transformer for accurate input voltage.
2. Allow for warm up and adjust all customer controls for normal picture and sound.
3. Receive a good local channel.
4. Connect a digital voltmeter to TP651 and make sure that the voltmeter reads $13.2 \pm 0.7V$.
5. Apply external 16.3V DC at TP651 by using an external DC supply, TV must be shut off.
6. To reset the protector, unplug the AC cord and plug the AC cord power on. Now make sure that normal picture appears on the screen.
7. If the operation of the horizontal oscillator does not stop in step 5, the circuit must be repaired before the set is returned to the customer.

HIGH VOLTAGE CHECK

High voltage is not adjustable but must be checked to verify that the receiver is operating within safe and efficient design limitations as specified checks should be as follows:

1. Connect an accurate high voltage meter between ground and anode of picture tube.
2. Operate receiver for at least 15 minutes at 120V AC line voltage, with a strong air signal or a properly tuned in test signal.
3. Enter the service mode and select the service adjustment "V18" and Bus data "01" (Y-mute on, CRT Cut Off).
4. The voltage should be approximately 33.0kV (at zero beam).
If a correct reading cannot be obtained, check circuitry for malfunctioning components. After the voltage test, make Y-mute off to the normal mode.

For adjustments of this model, the bus data is converted to various analog signals by the D/A converter circuit.

Note: There are still a few analog adjustments in this series such as focus and master screen voltage. Follow the steps below whenever the service adjustment is required. See "Table-B" to determine, if service adjustments are required.

1. Service mode

Before putting unit into the service mode, check that customer adjustments are in the normal mode. Use the reset function in the video adjustment menu to ensure customer controls are in their proper (reset) position.

2. Service number selection

Once in the service mode, press the Ch-up or Ch-down button on the remote controller or at the set. The service adjustment number will vary in increments of one, from "V01" to "P08". Select the item you wish to adjust.

3. Data number selection

Press the Vol-up or Vol-down button to adjust the data number.

To enter the service mode and exit service mode.

To enter the service mode manually just press and hold the Vol-down and Ch-up buttons at the same time, plug the AC cord into a wall socket.

Now the TV set is switched on and enters the service mode.

To exit the service mode, turn the television off by pressing the power button.

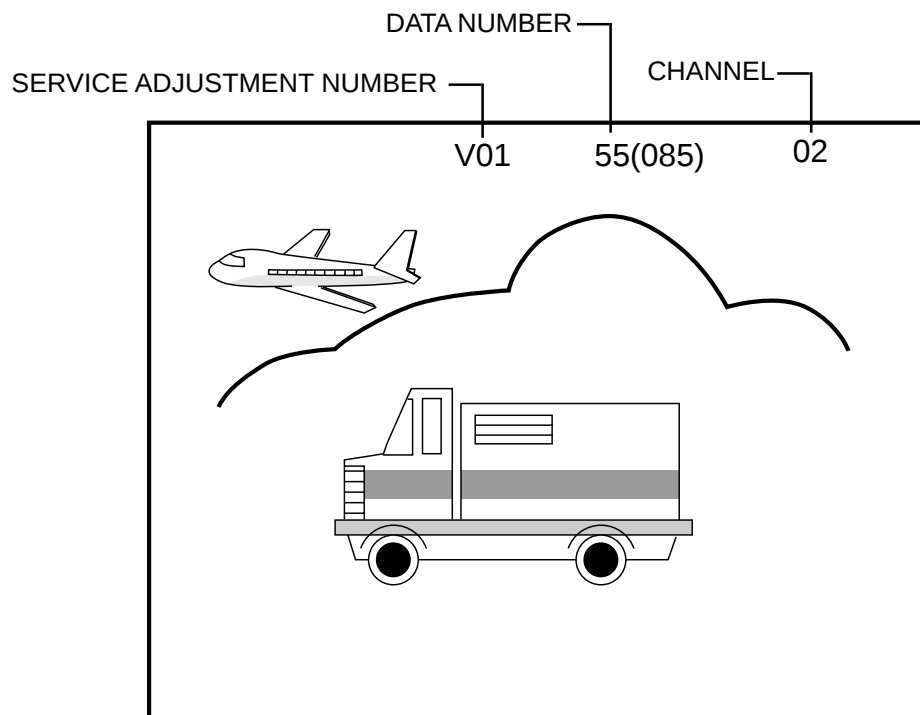


Figure A.

SERVICE NUMBER	ADJUSTMENT ITEM	DATA		ADJUSTMENT CONTENTS
		INITIAL VALUE	RANGE	
V01	PICTURE	03	0-15(00h-0Fh)	Must be set to "10"
V02	TINT	3E	0-127(00h-7Fh)	
V03	COLOR	2D	0-127(00h-7Fh)	
V04	SUB-COLOR	10	0-31(00h-1Fh)	
V05	BRIGHT	4D	0-127(00h-7Fh)	
V06	R CUT-OFF	40	64-255(40h-FFh)	
V07	G CUT-OFF	40	64-255(40h-FFh)	
V08	B CUT-OFF	40	64-255(40h-FFh)	
V09	G DRIVE	40	0-127(00h-7Fh)	
V10	B DRIVE	40	0-127(00h-7Fh)	
V11	SHARP	14	0-63(00h-3Fh)	Must be set to "1E"
V12	N PHASE	01	0-3(00h-03h)	Must be set to "01"
V13	DC RESTORATION	00	0-3(00h-03h)	Must be set to "03"
V14	BLACK STRETCH	03	0-3(00h-03h)	Must be set to "03"
V15	ABL START POINT	03	0-3(00h-03h)	Must be set to "03"
V16	ABL GAIN	02	0-3(00h-03h)	Must be set to "02"
V17	γ POINT	00	0-3(00h-03h)	Must be set to "02"
V18	Y-MUTE/V-STOP	00	0-2	"00"=Normal, "01"=No-Y, "02"=No-Y & No-Vertical
V19	ENERGY SAVE	28	0-63(00h-3Fh)	Must be set to "28"
V24	LOW-G	F7	0-255(00h-FFh)	Must be set to "F7"
V25	LOW-B	E8	0-255(00h-FFh)	Must be set to "E8"
V26	ML-G	00	0-255(00h-FFh)	Must be set to "00"
V27	ML-B	F9	0-255(00h-FFh)	Must be set to "F9"
V28	HIGH-G	03	0-255(00h-FFh)	Must be set to "03"
V29	HIGH-B	06	0-255(00h-FFh)	Must be set to "06"
V30	WPS	01	0-1	Must be set to "01"
V31	RGB CONTRAST	20	0-63(00h-3Fh)	Must be set to "2A"
V32	Y-DL	02	0-7(00h-07h)	Must be set to "02"
V33	Y-DL-INPUT	01	0-7(00h-07h)	Must be set to "01"
V34	VSM GAIN	07	0-7(00h-07h)	Must be set to "07"
V35	N COMB	01	0-1	Must be set to "01"
V36	BPF/TOF-INPUT	00	0-1	Must be set to "01"
V37	CORING	00	0-1	Must be set to "00"
V38	VSM PHASE	00	0-1	Must be set to "00"
V39	COLOR γ	00	0-1	Must be set to "01"
V40	SHARP-INPUT	14	0-63(00h-3Fh)	Must be set to "1E"
V41	TINT-INPUT	3E	0-127(00h-7Fh)	Must be set to "10"
V42	PICTURE-COMPONENT	03	0-15(00h-0Fh)	
V43	TINT-COMPONENT	10	0-31(00h-1Fh)	
V44	COLOR-COMPONENT	30	0-127(00h-7Fh)	
V45	BRIGHT-COMPONENT	4A	0-127(00h-7Fh)	
V46	R CUT OFF-COMPONENT	40	64-255(40h-FFh)	
V47	G CUT OFF-COMPONENT	40	64-255(40h-FFh)	
V48	B CUT OFF-COMPONENT	40	64-255(40h-FFh)	
V49	G DRIVE-COMPONENT	40	0-127(00h-7Fh)	
V50	B DRIVR-COMPONENT	40	0-127(00h-7Fh)	
V51	SHARP COMPONENT	14	0-63(00h-3Fh)	Must be set to "1E"
V52	N PHASE-COMPONENT	01	0-3(00h-03h)	Must be set to "01"
V53	C-TRAP	00	0-1	Must be set to "00"
V54	ANT-B PICTURE	03	0-15(00h-0Fh)	┌ └ Only for Model 32U-S710 └
V55	ANT-B TINT	3E	0-127(00h-7Fh)	
V56	ANT-B COLOR	2D	0-127(00h-7Fh)	
V57	ANT-B SHARP	14	0-63(00h-3Fh)	
R01	RF-AGC	24	0-63(00h-3Fh)	Must be set to "5C"
R02	PIF VCO coil	—	—	
R03	RF-AGC REF	5C	0-255(00h-FFh)	
D01	V POSITION	00	0-7(00h-07h)	Must be set to "1E"
D02	H POSITION	10	0-31(00h-1Fh)	
D03	V SIZE	12	0-63(00h-3Fh)	
D04	H SIZE	1F	0-63(00h-3Fh)	
D05	V-LINEARITY	07	0-15(00h-0Fh)	
D06	V-S CORRECTION	08	0-15(00h-0Fh)	Must be set to "09"

Table - A

SERVICE NUMBER	ADJUSTMENT ITEM	DATA		ADJUSTMENT CONTENTS
		INITIAL VALUE	RANGE	
D07	EW PARABOLA	21	0-63(00h-3Fh)	Must be set to "27"
D08	EW TRAPEZIUM	0E	0-31(00h-1Fh)	Must be set to "0B"
D09	EW CORNER	0C	0-15(00h-0Fh)	Must be set to "08"
D10	AFC GAIN	02	0-3(00h-03h)	Must be set to "02"
D11	V EHT	07	0-7(00h-07h)	Must be set to "04"
D12	H EHT	03	0-7(00h-07h)	Must be set to "03"
EX1	FAO VOLUME	24	0-50(00h-32h)	Must be set to "24"
EX2	CC-POSITION	21	0-127(00h-7Fh)	
EX3	INT	7A	0-255(00h-FFh)	Must be set to "7A"
EX4	A-ATT	5A	0-127	
EX5	TUNER data	00	0-3(00h-03h)	Must be to "00"
EX6	SYNC SLICE LEVEL	36	0-255(00h-FFh)	Must be to "36"
OP1	OPTION1	F7	0-255(00h-FFh)	Must be set to "F7"
OP2	OPTION2	F9	0-7(00h-07h)	Must be set to "10" (32U-S600), "B9" (32U-S710)
OP3	OPTION3	0F	0-255(00h-FFh)	Must be set to "0C" (32U-S600), "0E" (32U-S710)
M01	INPUT LEVEL	09	0-15(00h-0Fh)	Must be set to "09"
M02	MTS VCO	24	0-63(00h-3Fh)	
M03	FILTER	1F	0-63(00h-3Fh)	
M04	WIDEBAND	18	0-63(00h-3Fh)	
M05	SPECTRAL	10	0-63(00h-3Fh)	
M06	ANT-B INPUT LEVEL	09	0-15(00h-0Fh)	
M07	ANT-B WIDEBAND	18	0-63(00h-3Fh)	
M08	ANT-B SPECTRAL	10	0-63(00h-3Fh)	
M09	SRS LEVEL	FF	0-255(00h-FFh)	Must be set to "E0"
M10	BBE LEVEL	FF	0-255(00h-FFh)	Must be set to "D9"
M11	SRS & BBE LEVEL	FF	0-255(00h-FFh)	Must be set to "D0"
M12	SRS & BBE OFF LEVEL	FF	0-255(00h-FFh)	Must be set to "E5"
M13	SRS Effect	02	2-3(02h-03h)	Must be set to "02" — Only for Model 32U-S710
M14	BBE-L Effect	08	0-15(00h-0Fh)	Must be set to "0F"
M15	BBE-H Effect	08	0-15(00h-0Fh)	Must be set to "0F"
M16	AGC level	07	0-7(00h-07h)	Must be set to "01"
M17	BASS Offset	00	0-31(00h-1Fh)	Must be set to "10"
M18	TREBLE Offset	00	0-31(00h-1Fh)	Must be set to "10"
M19	BASS Offset-BBE	00	0-31(00h-1Fh)	Must be set to "11"
M20	TREBLE Offset-BBE	00	0-31(00h-1Fh)	Must be set to "10"
P01	CONTRAST-PIP	32	0-127(00h-7Fh)	
P02	TINT-PIP	29	0-63(00h-3Fh)	Must be set to "29"
P03	COLOR-SAT-PIP	32	0-127(00h-7Fh)	
P04	Y-OFFSET-PIP	09	0-31(00h-1Fh)	Must be set to "09"
P05	HXA-PIP	0A	0-255(00h-FFh)	Must be set to "0A"
P06	HADJ-PIP	00	0-15(00h-0Fh)	Must be set to "00"
P07	FREE RUN-PIP	0B	0-15(00h-0Fh)	Must be set to "0B"
P08	TINT-PIP-INPUT	24	0-63(00h-3Fh)	Must be set to "24"

Table - A

Holding down both the VOL-up and CH-up buttons on the TV set at service mode for more than 2 seconds will automatically write the above initial values into IC2102.

PART REPLACED	ADJUSTMENT		NOTES
	NECESSARY	UNNECESSARY	
IC2001		X	Data is stored in IC2102.
IC201	X		The adjustment is needed to compensate for characteristics of parts including IC201 and MTS level (M01).
IC2102 (or IC2101)	X		Holding down both the VOL-up and CH-up buttons on the TV set in the service mode for more than 2 seconds will automatically write the above initial values into IC2102 (or IC2101). Then perform a complete adjustment.
CRT	X		Adjust items related to picture tube only.
IC3001	X		Adjust items related to MTS only (M01~M20).
IC1801	X		Adjust items related to P-IN-P only (P01~P08).

Table - B

SERVICE ADJUSTMENT

RF AGC Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "R01".
3. Set the data value to point where no noise or beat appears.
4. Select another channel to confirm that no noise or beat appears.

Note 1 : You will have to come out of the service mode to select another channel.

Note 2 : Setting the data to "00" will produce a black raster.

Screen Adjustment

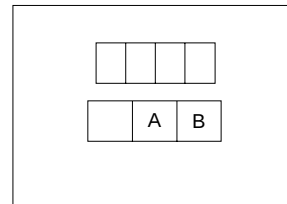
1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "V03" and set the data value to "00" to set the color level to minimum. (Record original data code under adjustment "V03" before changing) You may skip this step, if you selected a B/W picture or monoscope pattern.
3. Select the service adjustment "V18" and adjust the data value to "01", this turn off the luminance signal (Y-mute).
4. Adjust the master screen control until the raster darkens to the point where raster is barely seen.
5. Adjust the service adjustments "V06" red, "V07" green and "V08" blue to obtain a good grey scale with normal whites at low brightness level.
6. Select the service adjustment "V18" and reset data to "00". Select the service adjustment "V03" and reset data to obtain normal color level.
7. For component input, the data value of "V46" red, "V47" green and "V48" blue is adjusted to follow the data value of "V06", "V07" and "V08" respectively.
8. Reset the master screen control to obtain normal brightness range.

White Balance Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "V03" and set to "00" (minimum color)(Record original data code under adjustment "V03" before changing). "V03" does not have to be adjusted, if you selected a B/W picture or monoscope pattern.
3. Alternately adjust the service adjustment data of "V09" and "V10" until a good grey scale with normal whites is obtained. (RF Input)
4. For component input, the data value of "V49" and "V50" is adjusted to follow the data value of "V09" and "V10" respectively.
5. Select the service adjustment "V03" and reset data to obtain normal color level.

Sub-picture and Sub-Bright Adjustments

1. Receive the window pattern signal.
 - RF INPUT (TU51)
2. Get into service adjustment data "V01" and "V05" and set the luminance as shown in figure "A" and "B" as below respectively.
 - RF INPUT (TU52) (Only for 32U-S710)
3. Get into service adjustment data "V54" and "V58" and set the luminance as shown in figure "A" and "B" as below respectively.
 - COMPONENT INPUT
4. Get in service adjustment data "V42" and "V45" and set the luminance as shown in figure "A" and "B" as below respectively.



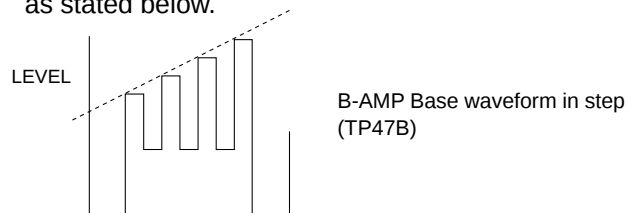
VOLTAGE CONFIRMATION

A: $92 \pm 10 \text{cd/m}^2$

B: $1.1 \pm 0.5 \text{cd/m}^2$

Sub-Tint Adjustment

1. Receive the half color bar signal.
 - RF INPUT (TU51)
2. Get into Y-Mute by R/C, or by setting the "V18" bus data to "01".
3. Vary the "V02" bus data until the waveform becomes as stated below.



- RF INPUT (TU52) (Only for 32U-S710)
4. Input data of "V55" to minus 1 step from "V02" data.
 - AV INPUT
 5. Input data of "V41" to minus 5 step from "V02" data.

Sub-Color Adjustment

1. Receive a good local channel.
2. Make sure the customer color control is set to center position .
 - RF INPUT (TU51)
3. Enter the service mode and select service adjustment "V03".
4. Adjust "V03" data value to obtain a normal color level.
 - RF INPUT (TU52) (Only for 32U-S710)
5. Enter the service mode and select service adjustment "V56".
6. Input the data of "V56" same as "V03" data.

Vertical-Size and Linearity Adjustments

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "D03" for V-size.
3. Adjust the "D03" bus data to get the proper V-size.
4. For V-linearity adjustment, select data bus "D05" and adjust to get the proper vertical linearity.

Note: Aging for 10 min before adjustment. After the adjustment of V-center and V-size, re-adjustment for this V-line.

Vertical Phase Adjustment

1. Enter the service mode and select the service adjustment "D01".
2. Adjust "D01" data value so that picture is centered.

Horizontal Position Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "D02".
3. Adjust "D02" data value so that picture is centered.

Caption Position Adjustment (Horizontal)

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "EX2".
3. A black text box appears on the screen. (see **Figure B.** below)
4. Adjust "EX2" data value so that text box is positioned in the center of the screen.

Horizontal-Size Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "D04" for H-size.
3. Adjust the "D04" bus data to get the proper H-size.

EW-Parabola

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "D07" for EW parabola.
3. Adjust the "D07" bus data to get the proper vertical straight line for both left and right side.

EW-Trapezium

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "D08" for EW-Trapezium.
3. Adjust the "D08" bus data to get the best position display.

EW-Corner

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "D09" for EW-Corner.
3. Adjust the "D09" bus data to get the best linearity for 4 corner points.

Other Adjustments

1. Enter the service mode.
2. Adjust the following data values as listed below.

SERVICE POSITION	ADJUST ITEM	DATA(Hex)	
		32U-S600	32U-S710
OP1	OPTION1	F7	F7
OP2	OPTION2	10	B9
OP3	OPTION3	0C	0E

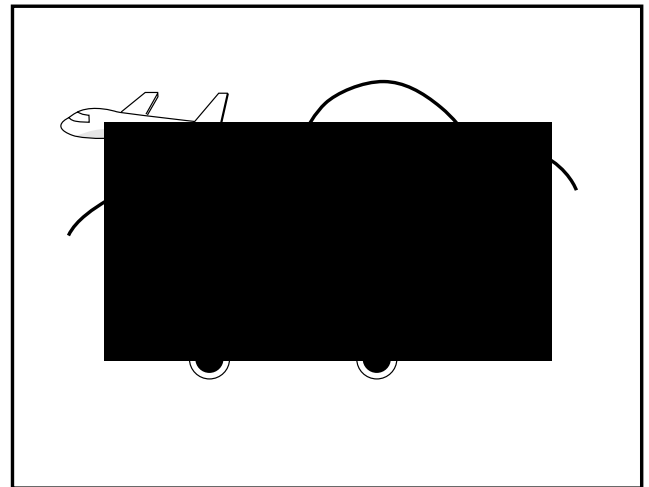


Figure B.

■ MTS ADJUSTMENT

MTS Level Adjustment (32U-S600)

1. Receive the following composite signal.
Monaural signal: 400Hz, 100% modulation
2. Connect the rms voltmeter to pin (39) of IC3001.
3. Enter the service mode and select the service adjustment "M01" and set to "09".
4. Enter the service mode and select the service adjustment "EX4".
5. Adjust the data so that the rms voltmeter reads 490 ± 10 mVrms.

MTS Level Adjustment (32U-S710)

1. Receive the following composite signal.
Monaural signal: 400Hz, 100% modulation
2. Set the sound volume above 1.
3. Connect the rms voltmeter to pin (39) of IC3001.
4. Enter the service mode and select the service adjustment "M01" and set to "09".
5. Enter the service mode and select the service adjustment "EX4".
6. Adjust the data so that rms voltmeter reads 490 ± 10 mVrms.
7. For 2nd Tuner, adjust the "M06" until the voltage of pin (36) of IC3001 becomes 490 ± 10 mVrms.

MTS VCO Adjustment

1. Keep the unit in no-signal state.
2. Connect the frequency counter to pin (39) of IC3001.
3. Connect a capacitor (100 μ F, 50V) in between positive(+) side of C3005 and ground.
4. Enter the service mode and select the service adjustment "M02".
5. Adjust the data so that the frequency counter reads 62.94 ± 0.75 kHz.

Filter Adjustment

1. Feed the following stereo pilot signal to pin (14) of IC3001.
Stereo pilot signal: 9.4kHz, 600mVrms.
2. Enter the service mode and select the service adjustment "M03".
3. Adjust the data until "OK" appears in position on the screen. Make sure the "OK" is displayed almost at the center of the data range.

Separation Adjustment (32U-S600)

1. Input "SIGNAL 1" (TU51) and vary the "M04" bus data to get the minimum AC voltage to pin (39) of IC3001.
2. Input "SIGNAL 2" (TU51) and vary the "M05" bus data to get the minimum AC voltage to pin (39) of IC3001.
SIGNAL 1: 300Hz, 30% modulation, Lch only, NR-ON
SIGNAL 2: 3kHz, 30% modulation, Lch only, NR-ON
Check the output of the speaker at the maximum volume as stated below.

Confirmation spec:

ADJ spec: above 25 dB

CHK spec: above 20 dB

Separation Adjustment (32U-S710)

1. Input "SIGNAL 1" (TU51 and TU52) and vary the "M04" and "M07" bus data to get the minimum AC voltage to pin (39) of IC3001.
2. Input "SIGNAL 2" (TU51 and TU52) and vary the "M05" and "M08" bus data to get the minimum AC voltage to pin (39) of IC3001.
SIGNAL 1: 300Hz, 30% modulation, Lch only, NR-ON
SIGNAL 2: 3kHz, 30% modulation, Lch only, NR-ON
Check the output of the speaker at the maximum volume as stated below.

Confirmation spec:

ADJ spec: above 25 dB

CHK spec: above 20 dB

■ P-IN-P ADJUSTMENT

P-IN-P Y-LEVEL Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P01".
3. Adjust "P01" data value to obtain normal contrast level.

P-IN-P TINT Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P02".
3. Adjust data value to "29".

P-IN-P COLOR Adjustment

1. Receive a good local channel.
2. Make sure the customer color control is set to center position.
3. Enter the service mode and select the service adjustment "P03".
4. Adjust "P03" data value to obtain normal color level.

P-IN-P Y-OFF SET Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P04".
3. Adjust data value to "09".

P-IN-P H-POSITION Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P05".
3. Adjust data value to "0A".

P-IN-P BURST GATE PULSE (for MAIN)

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P06".
3. Adjust data value to "00".

P-IN-P FREERUN

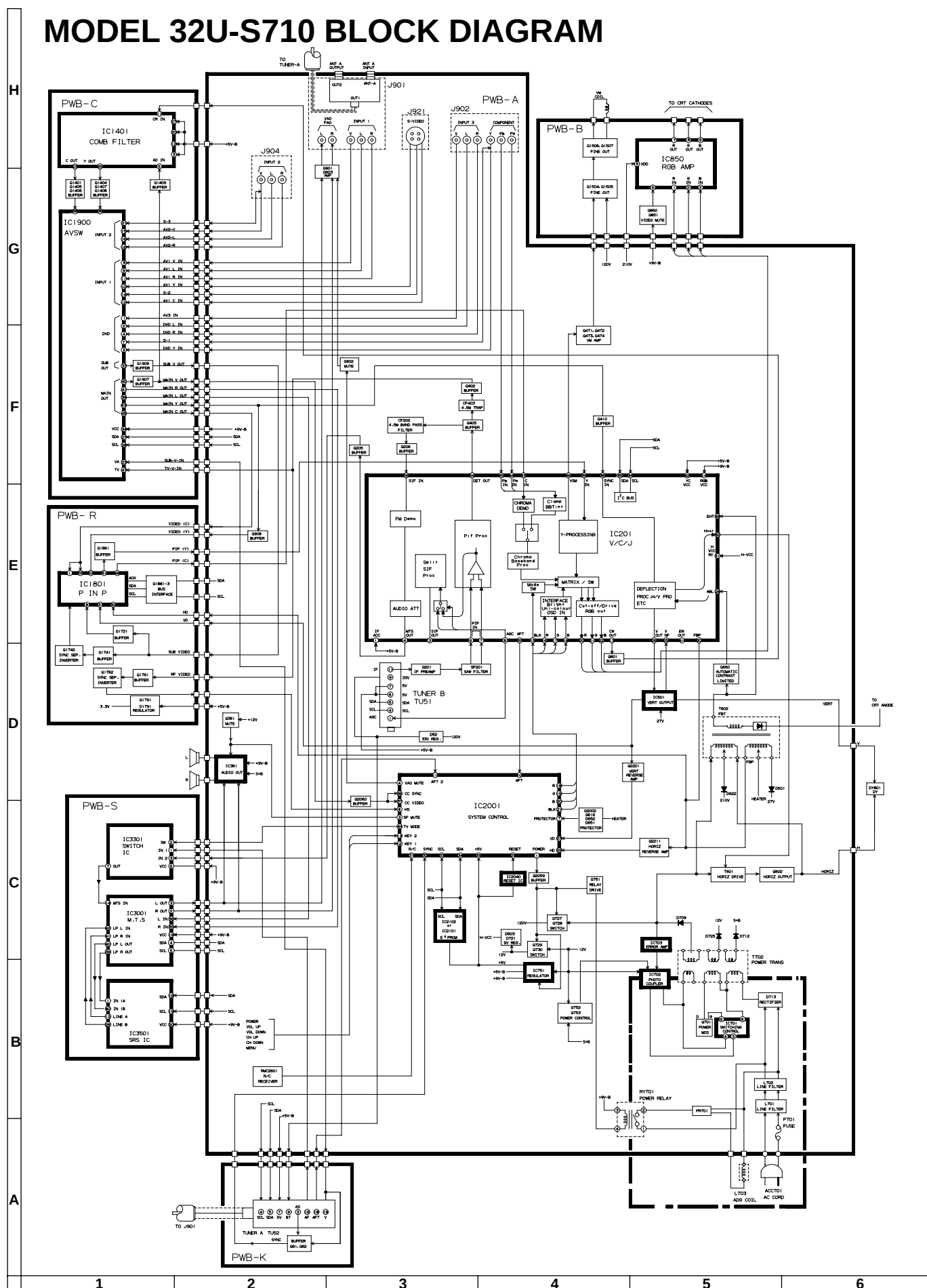
1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P07".
3. Adjust data value to "0B".

P-IN-P TINT-INPUT Adjustment

1. Receive the composite signal.
2. Enter the service mode and select the service adjustment "P08".
3. Adjust data value to "24".



MODEL 32U-S710 BLOCK DIAGRAM



DESCRIPTION OF SCHEMATIC DIAGRAM

NOTES:

1. The unit of resistance "ohm" is omitted.
($K=k\Omega=1000\Omega$, $M=M\Omega$)
2. All resistors are 1/16 watt, unless otherwise noted.
3. All capacitors are μF , unless otherwise noted.
($P=pF=\mu\mu F$)
4. (G) indicates $\pm 2\%$ tolerance may be used.
5. $\overline{\text{---}}$ indicates line isolated ground.

VOLTAGE MEASUREMENT CONDITIONS:

1. All DC voltages are measured with DVM connected between points indicated and chassis ground, line voltage set at 120V AC and all controls set for normal picture unless otherwise indicated.
2. All voltages measured with 1000 μ V B & W or Color signal.

WAVEFORM MEASUREMENT CONDITIONS:

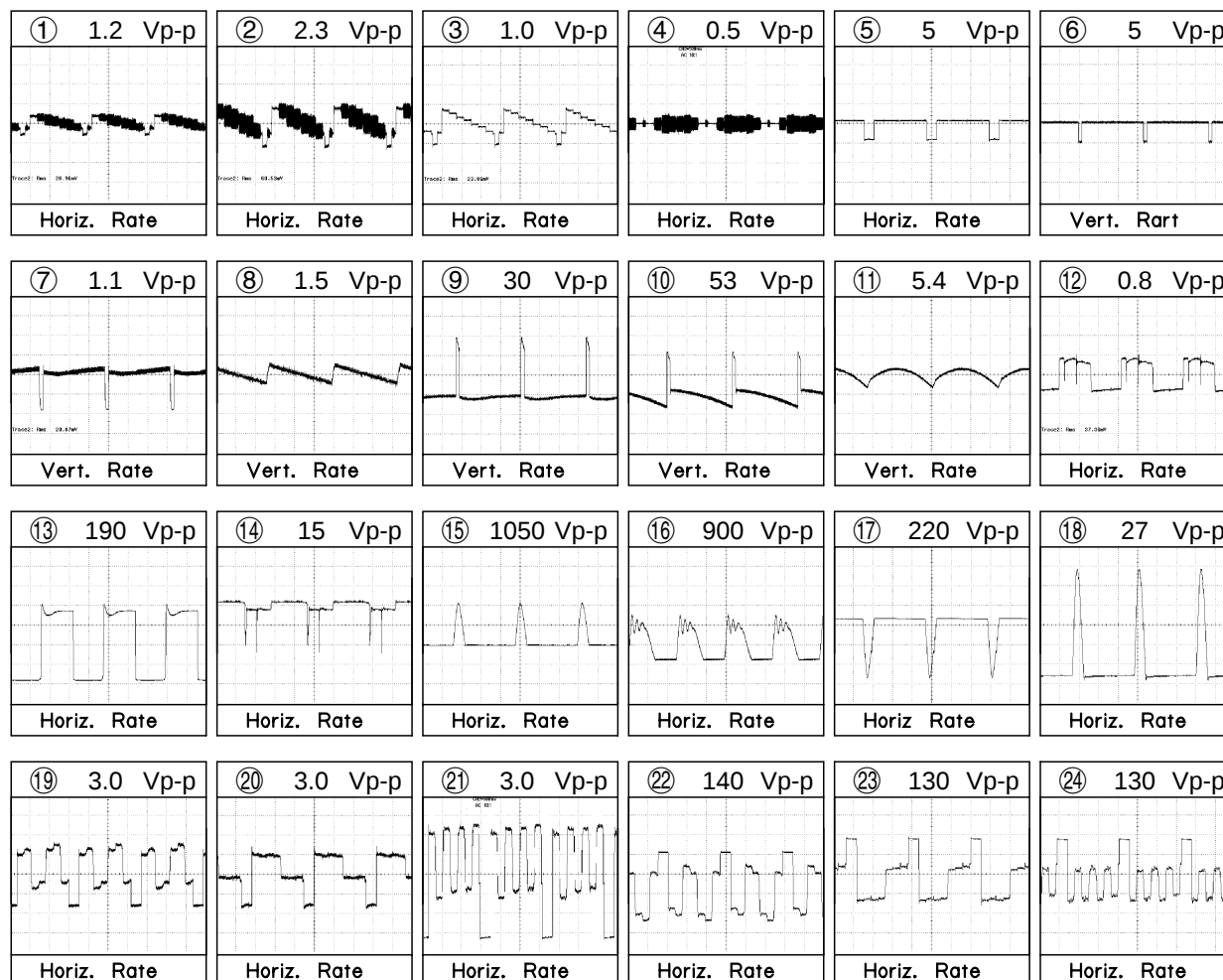
1. Photographs taken on a standard gated color bar signal, the tint setting adjusted for proper color. The wave shapes at the red, green and blue cathodes of the picture tube depend on the tint, color level and picture control.
2. $\bigcirc$ indicates waveform check points (See chart, waveforms are measured from point indicated to chassis ground.)

$\triangle$ AND SHADED () COMPONENTS
= SAFETY RELATED PARTS.

$\blacktriangle$ MARK= X-RAY RELATED PARTS.

This circuit diagram is a standard one, printed circuits may be subject to change for product improvement without prior notice.

WAVEFORMS

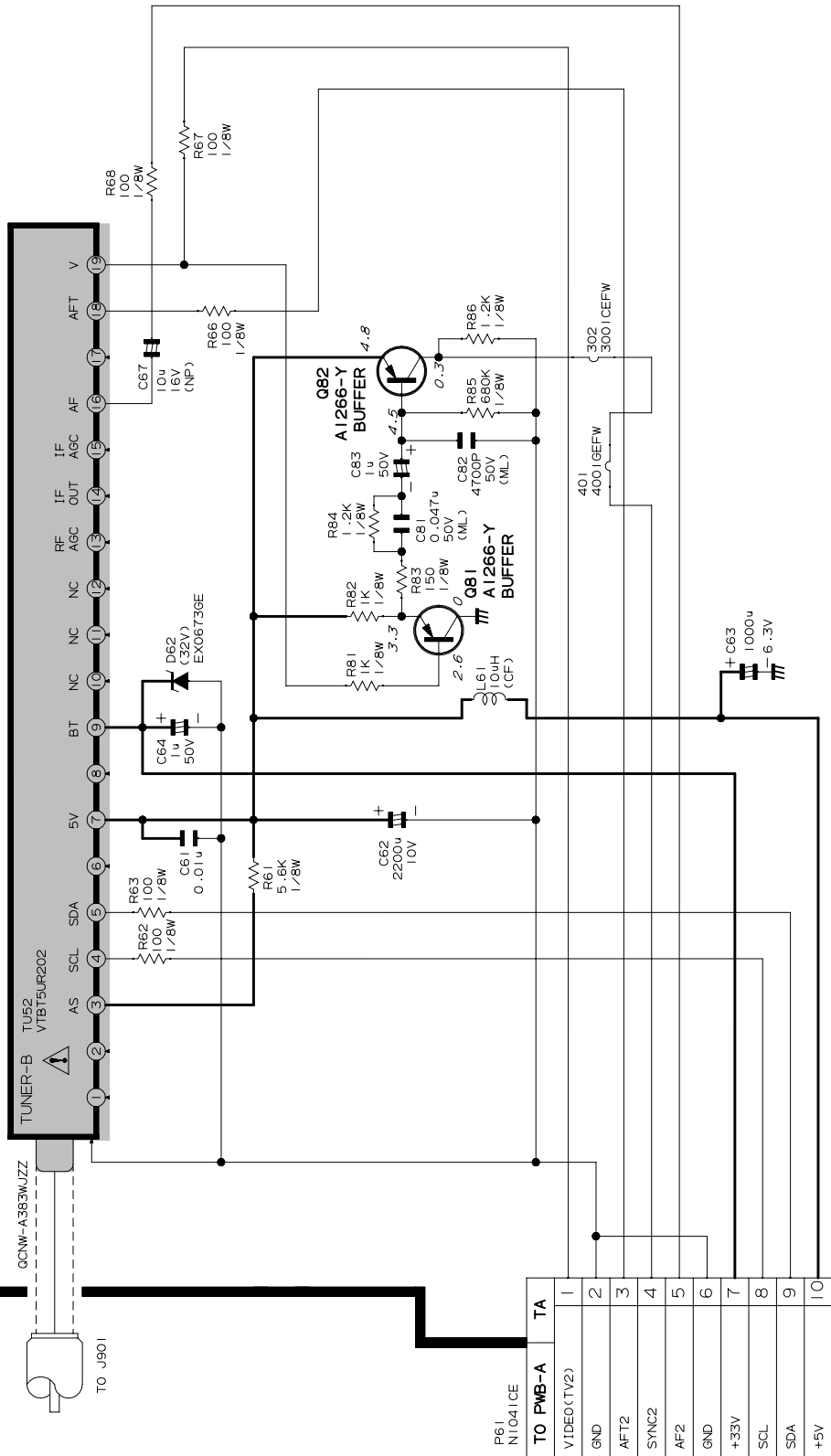


MODEL 32U-S710 SCHEMATIC DIAGRAM: 2-TUNER Unit

NOTE: 1. THE UNIT OF RESISTANCE "OHM" IS OMITTED
(K=1000 OHMS, M=MEGAOHM).
2. ALL RESISTORS ARE 1/16 WATT UNLESS OTHERWISE NOTED.
3. UNIT OF ALL CAPACITORS ARE F WITH PREFIX SYMBOL
(u, P, ETC).

TUNER (2ND)

PWB-K
(QPWBF223WJZZ)
DUNTKB223WEAO

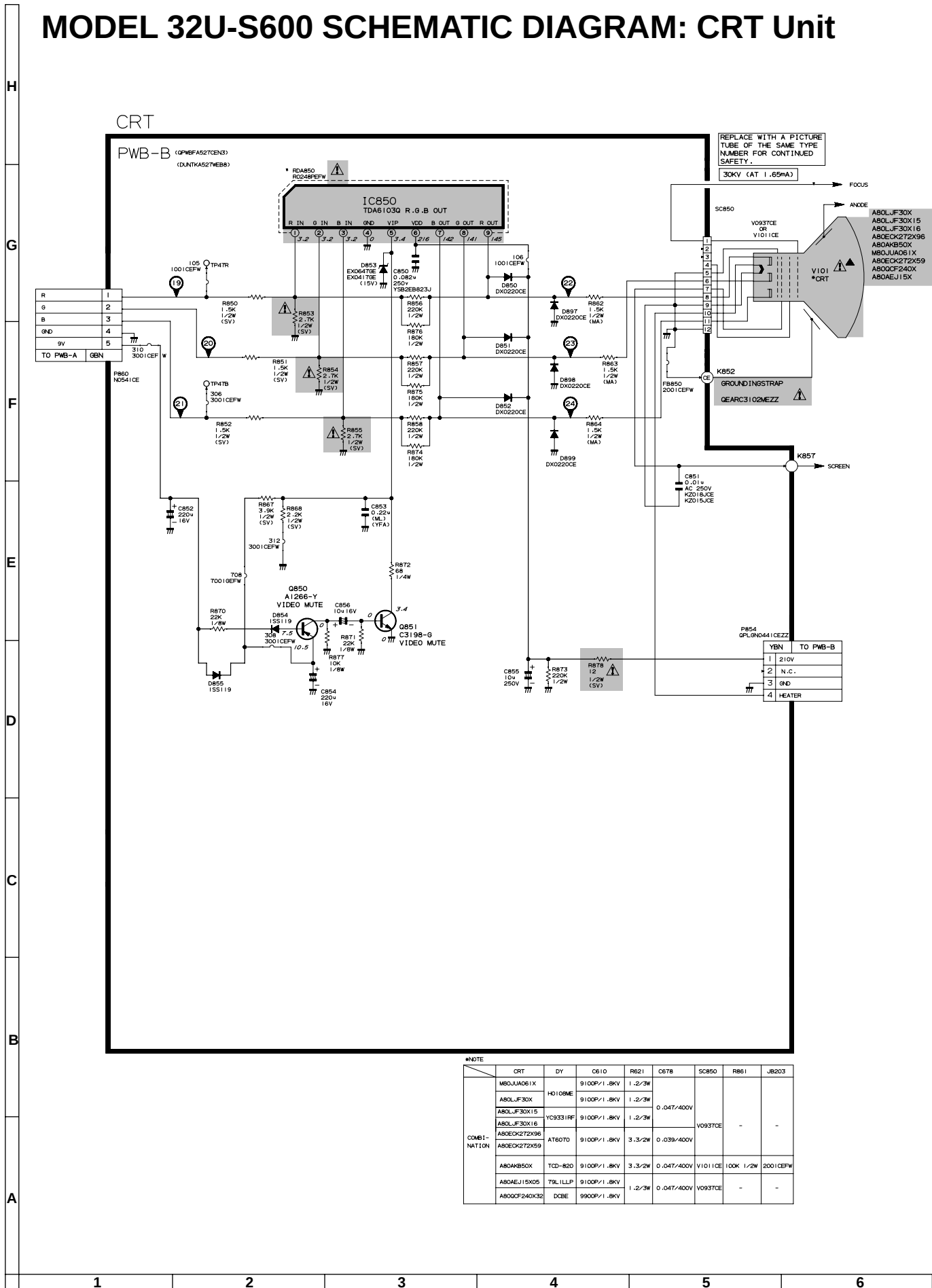






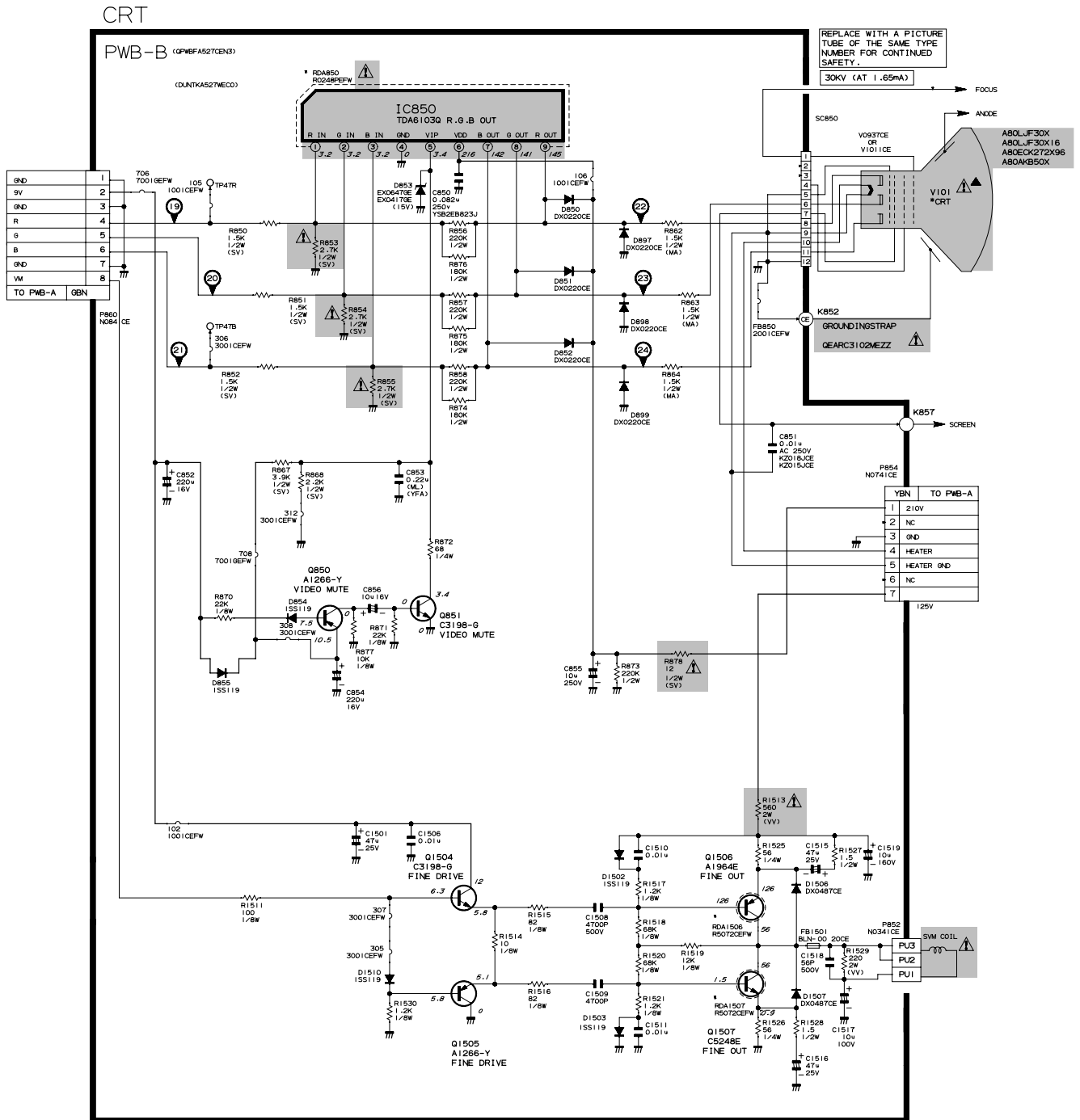


MODEL 32U-S600 SCHEMATIC DIAGRAM: CRT Unit



MODEL 32U-S710 SCHEMATIC DIAGRAM: CRT Unit

H
G
F
E
D
C
B
A

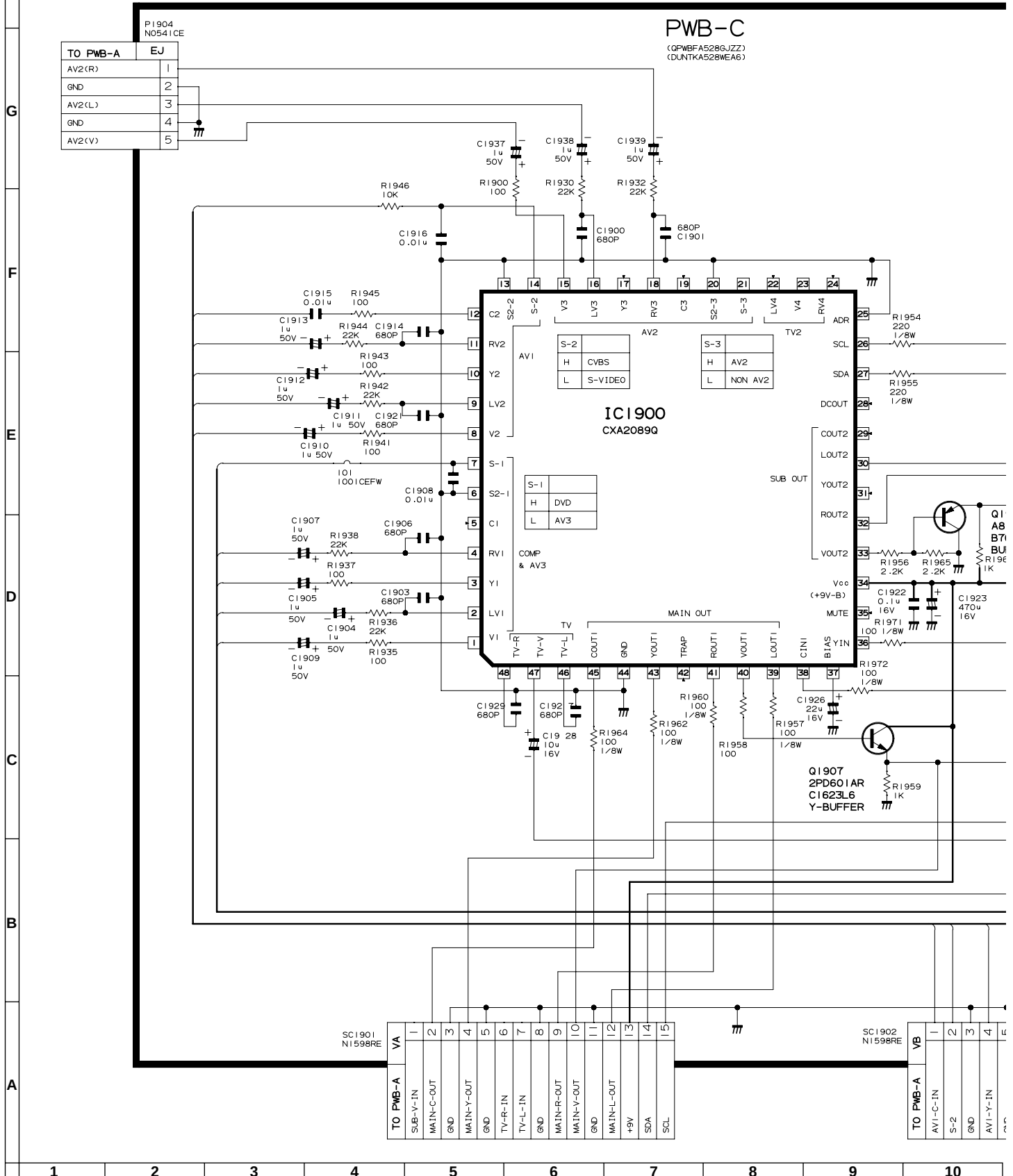


*NOTE

	CRT	DY	C610	R621	C678	SC850	R861	J8203
COMBINATION	M90JAO61X	H108ME	9100P/1.8KV	1.2/3W	0.047/400V	V0937CE	-	-
	AB0LJF30X	H108ME	9100P/1.8KV	1.2/3W	0.047/400V	V0937CE	-	-
	AB0LJF30X16	YC9331RF	9100P/1.8KV	1.2/3W	0.047/400V	V0937CE	-	-
	AB0ECK272X96	AT6070	9100P/1.8KV	3.3/2W	0.039/400V	V0937CE	-	-
	AB0AKB50X	TCD-820	9100P/1.8KV	3.3/2W	0.047/400V	V1011CE	100K 1/2W	2001CEFW

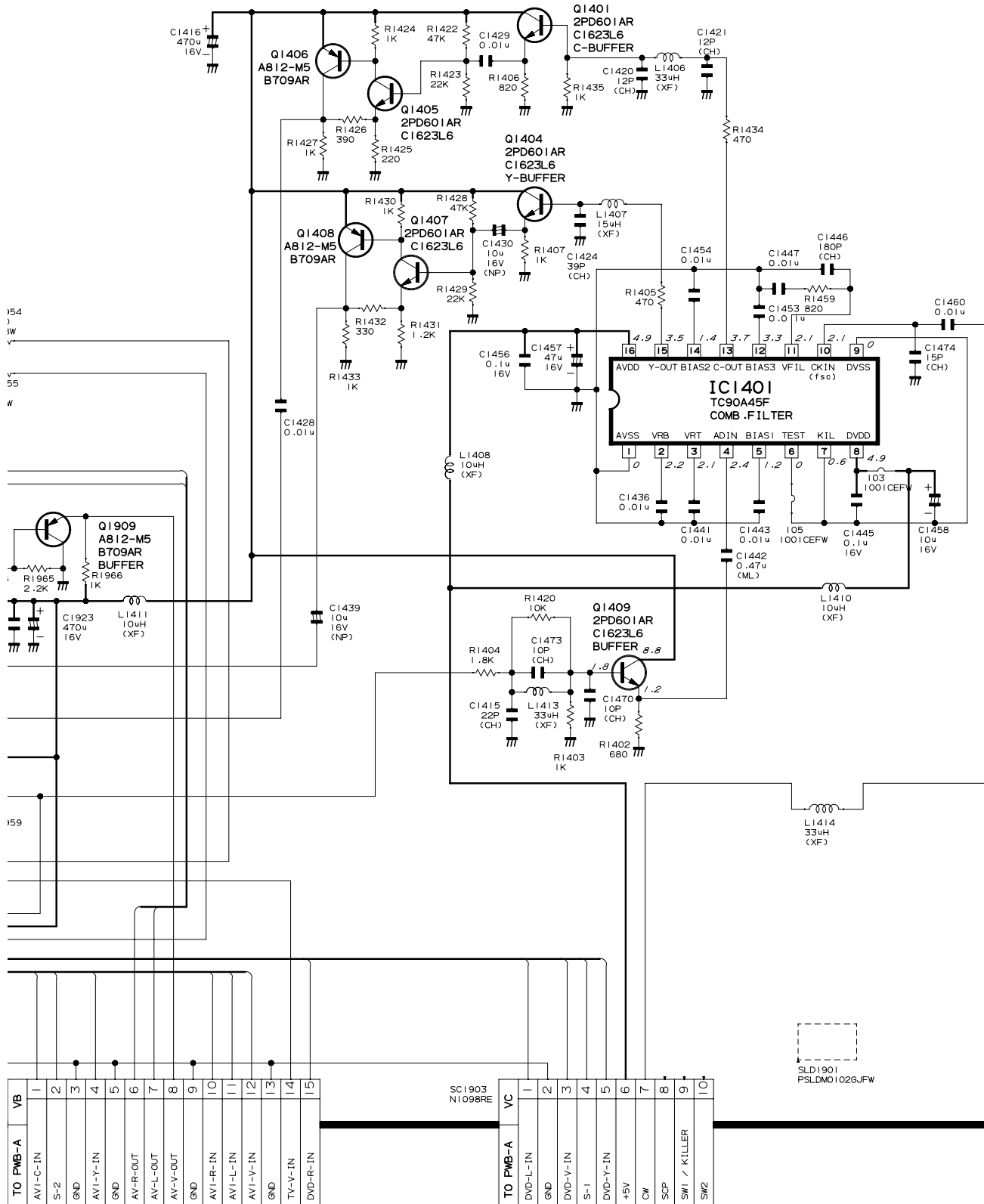
MODEL 32U-S600 SCHEMATIC DIAGRAM: AV Unit

AV-COMB (2 LINE)



NOTE: TRANSISTORS 2PD601AR CAN ALTERNATE WITH 2SD601AR.
TRANSISTORS 2PB709AR CAN ALTERNATE WITH 2SB709AR.

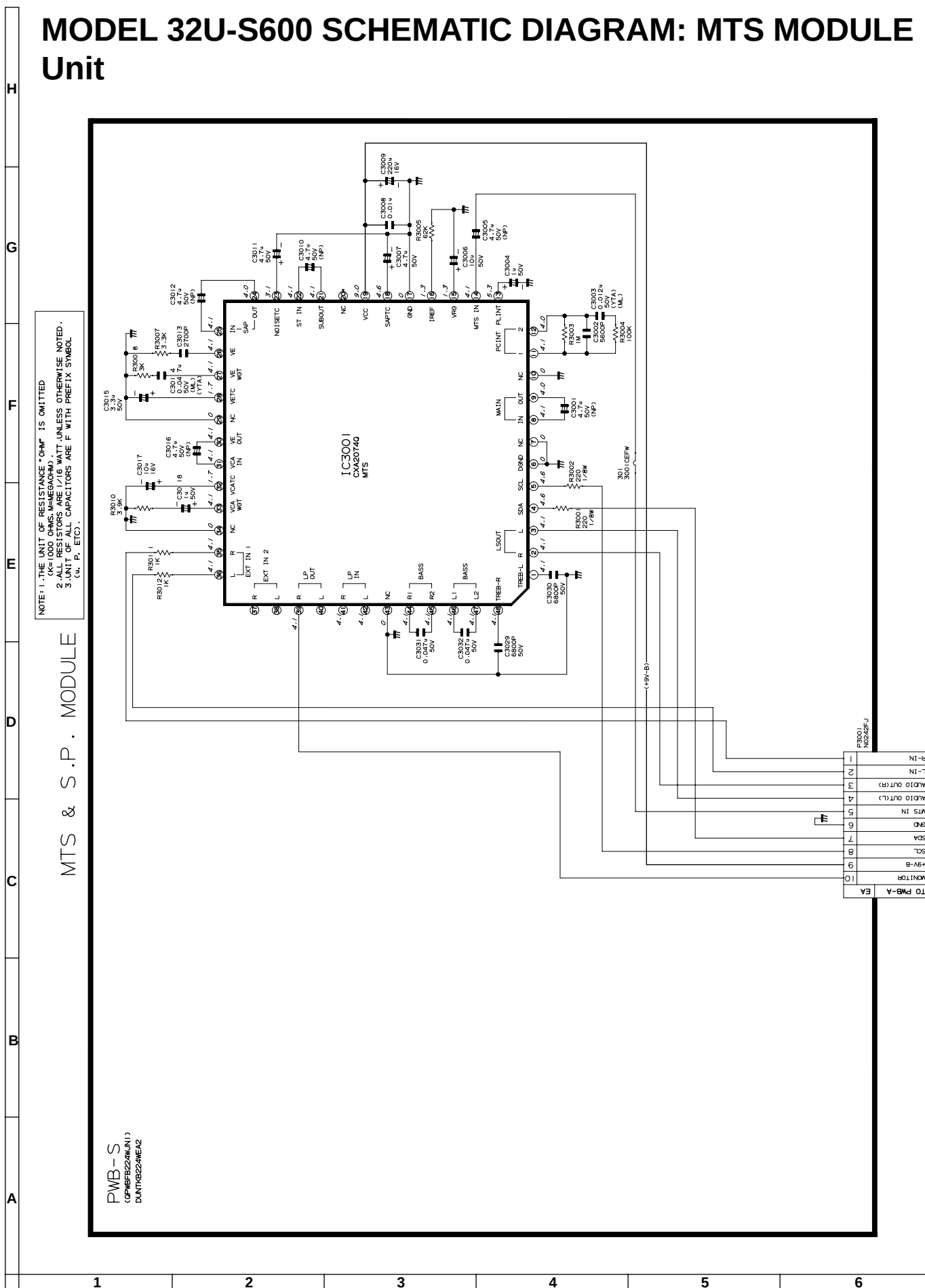
NOTE: 1. THE UNIT OF RESISTANCE "OHM" IS OMITTED
(K=1000 OHMS, M=MEGAOHM).
2. ALL RESISTORS ARE 1/16 WATT UNLESS OTHERWISE NOTED.
3. UNIT OF ALL CAPACITORS ARE F WITH PREFIX SYMBOL
(u. P. ETC.).



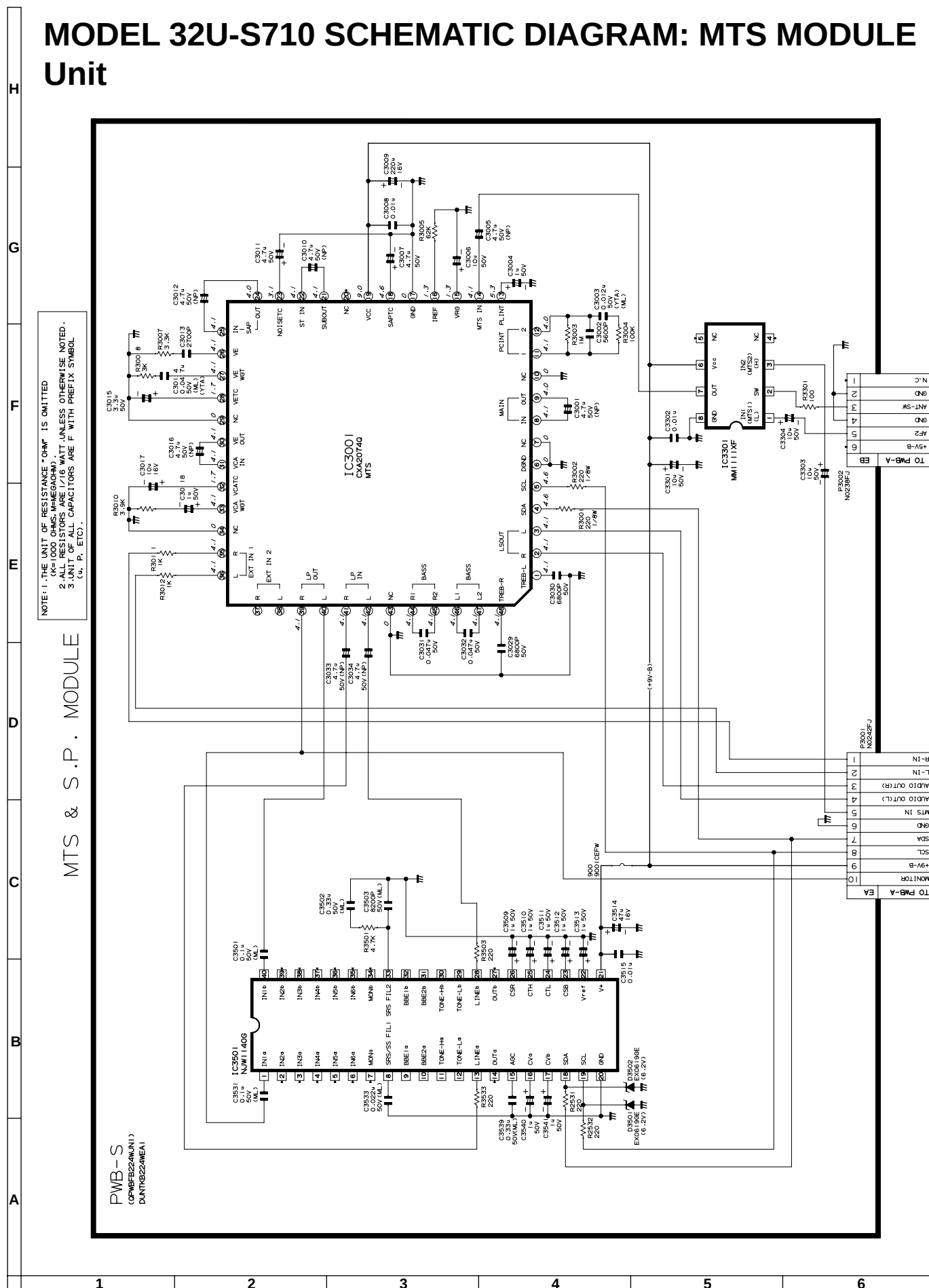
SLD1901
PSLDM01026JFW

NOTE: ALL DIODES ARE "1SS119" UNLESS OTHERWISE SPECIFIED.
TRANSISTORS 2PD601AR CAN ALTERNATE WITH 2SD601AR.
TRANSISTORS 2PB709AR CAN ALTERNATE WITH 2SB709AR.

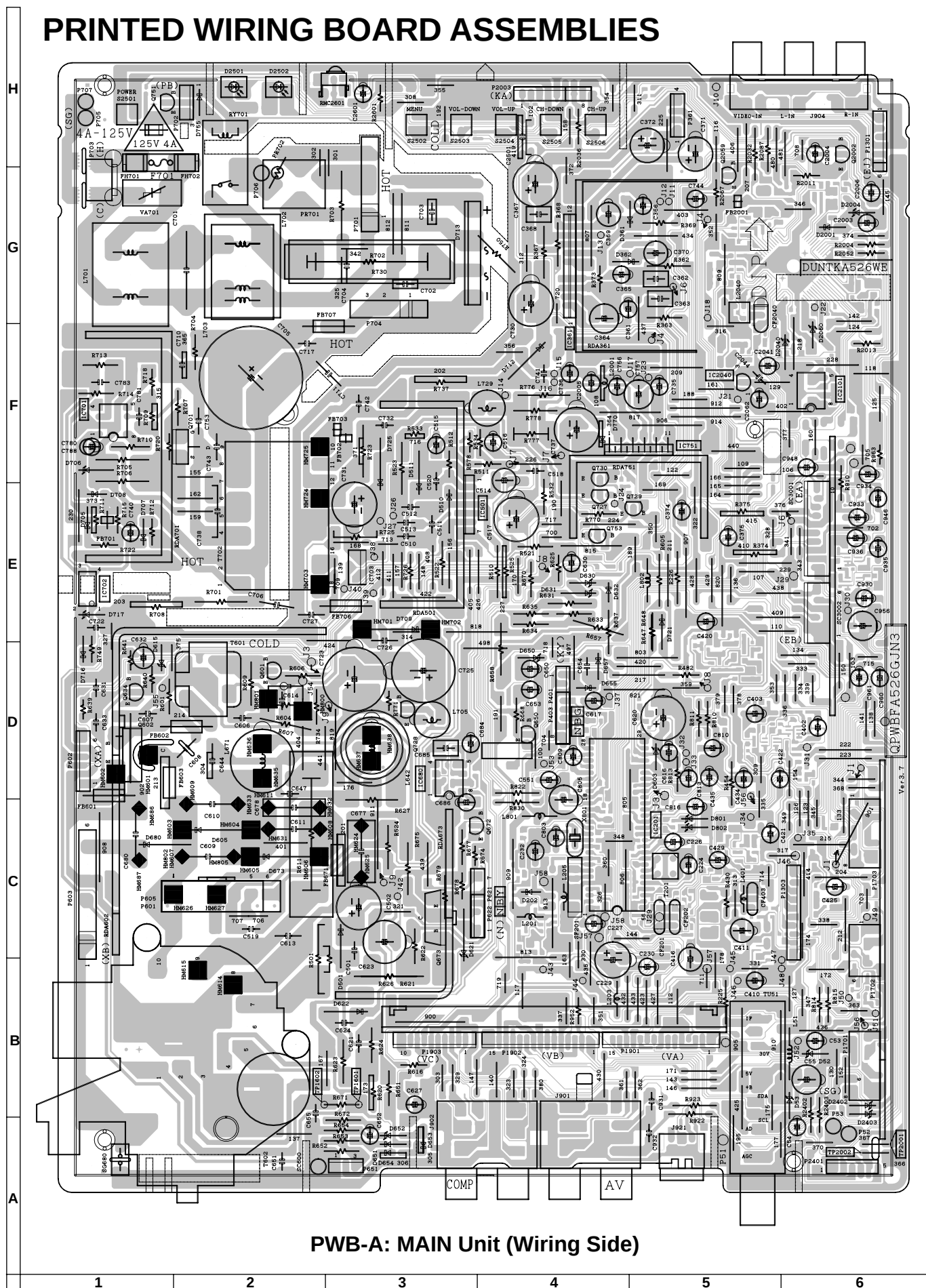


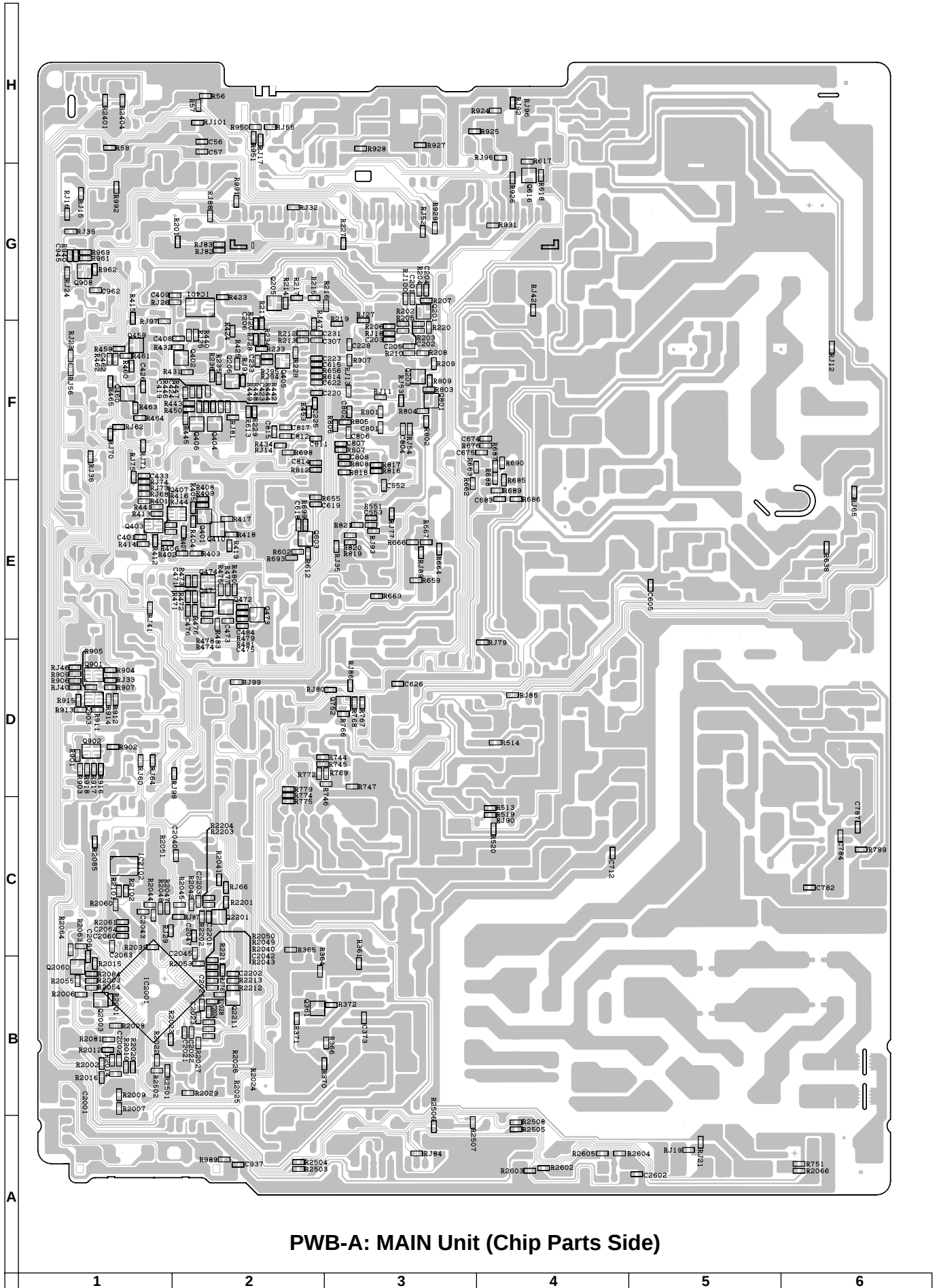
MODEL 32U-S600 SCHEMATIC DIAGRAM: MTS MODULE
Unit

MODEL 32U-S710 SCHEMATIC DIAGRAM: MTS MODULE



PRINTED WIRING BOARD ASSEMBLIES





H

G

F

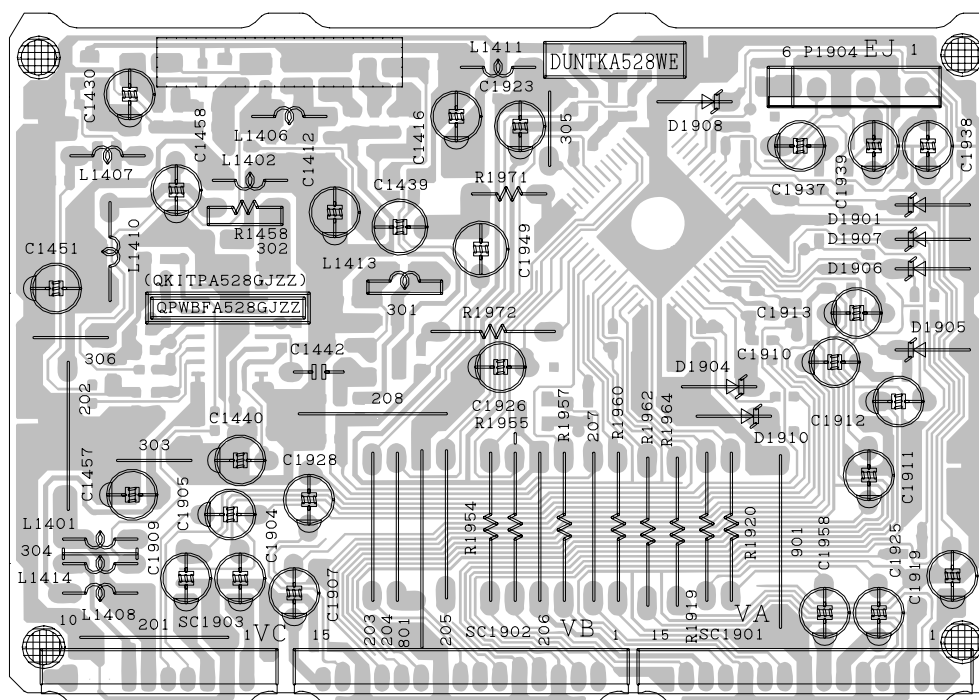
E

D

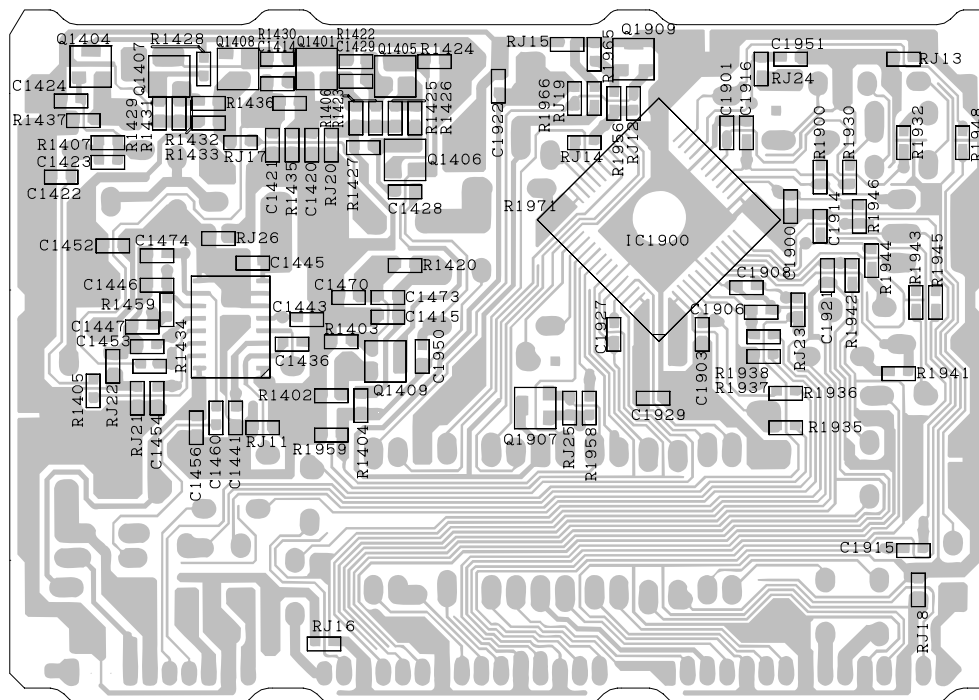
C

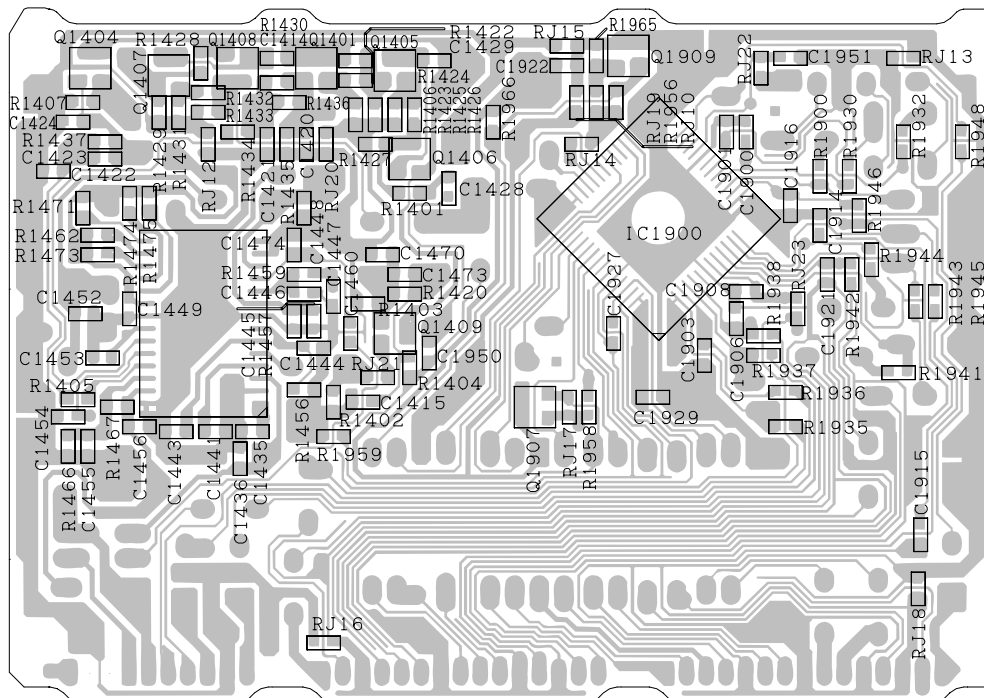
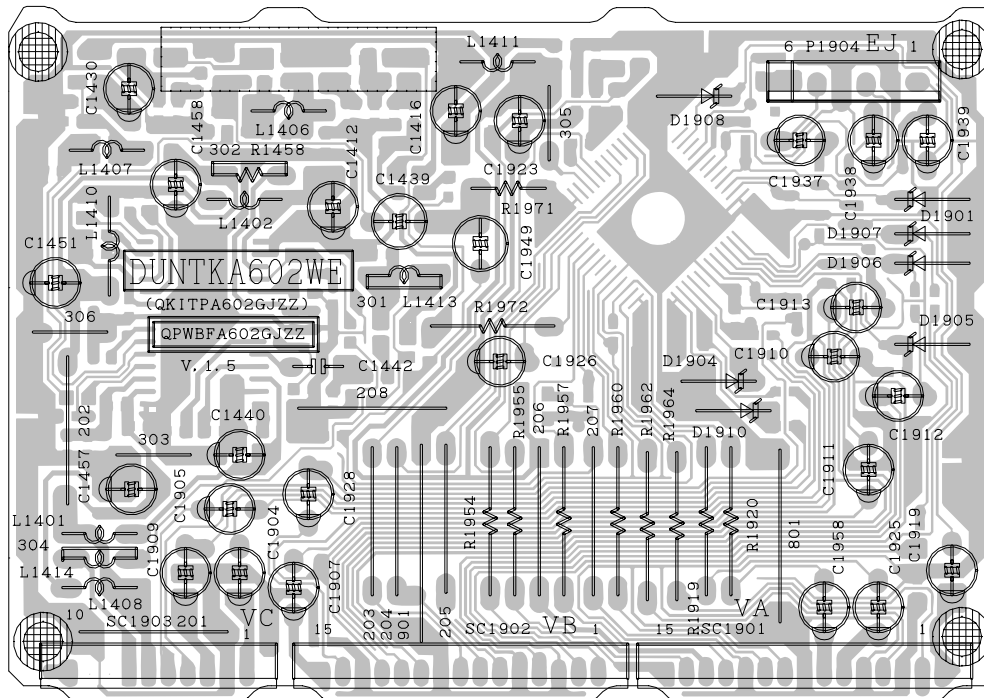
B

A



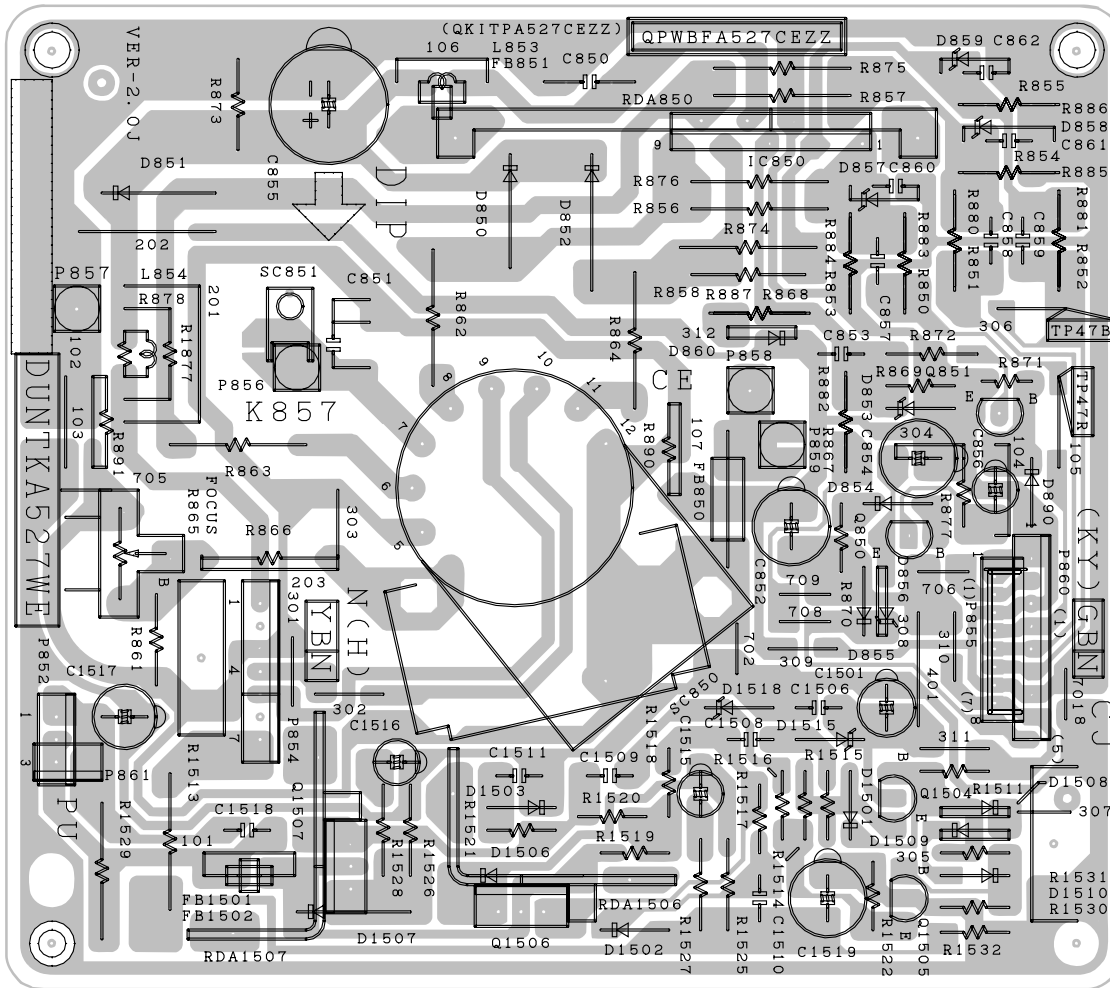
PWB-C: AV Unit (Wiring Side)
(Only for 32U-S600)



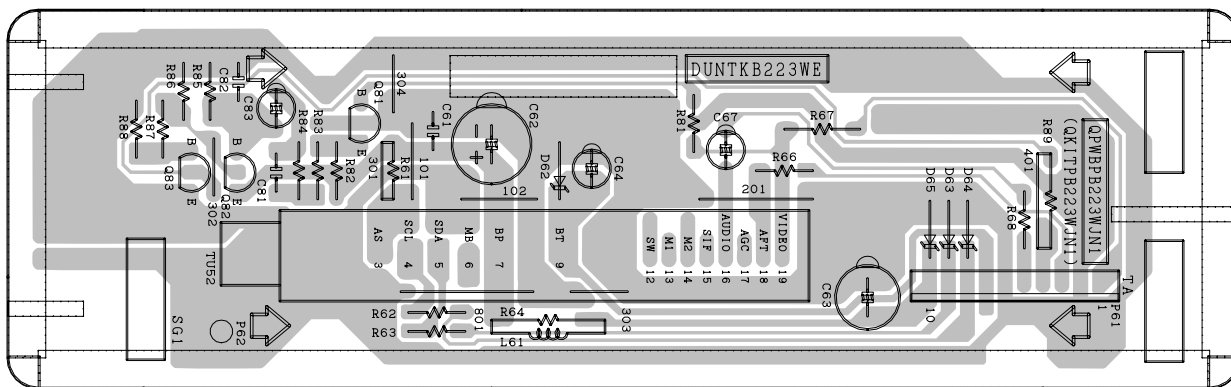








PWB-B: CRT Unit (Wiring Side)



PWB-K: 2-TUNER Unit (Wiring Side)
(Only for 32U-S710)

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual ; electrical components having such features are identified by Δ and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which does not have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO. |
| 3. PART NO. | 4. DESCRIPTION |

in **USA**: Contact your nearest SHARP Parts Distributor to order. For location of SHARP Parts Distributor, Please call Toll-Free; 1-800-BE-SHARP

★ MARK: SPARE PARTS-DELIVERY SECTION

▲ MARK: X-RAY RELATED PARTS

Ref. No.	Part No.	★	Description	Code
----------	----------	---	-------------	------

PICTURE TUBE

32U-S600

▲ Δ V101	VB80LJF3015* or VB80LJF30X/* or VB80JUA061X* or VB80LJF3016* or VB80ECK272X1E or VB80LAKB50X/* or VB80ECK272X2E or VB80QCF240X32 or VB80AEJ15X/1E	X	Picture Tube	CT
Δ L703	RCiLG0121GJZZ or RCiLGA028WJZZ or RCiLG0051MEZZ or RCiLG0118GJZZ	X	Degaussing Coil	AU
Δ	LHLDW0102GJKZ MSPRT0002MEZZ QEARC3102MEZZ	X	Wire Holder, x5 Spring Grounding Strap	AC AE AG

	CRT	DY	C610	R621	C678	SC850	R861	JB203
COMBI-NATION	ABOLJF30X	H0108ME	9100P/1.6KV	1.2/3W	0.047/400V			
	ABOLJF30X15	YC9331RF	9100P/1.6KV	1.2/3W				
	ABOLJF30X16	AT6070	9100P/1.6KV	3.3/2W	0.039/400V			
	ABOECK272X96							
	ABOECK272X59							
	ABOAKB50X	TCD-820	9100P/1.6KV	3.3/2W	0.047/400V	V1011CE	100K 1/2W	2001CEFW
	ABOAEJ15X05	T9L1LLP	9100P/1.6KV	1.2/3W	0.047/400V	V0937CE		
	ABOQCF240X32	DCBE	9900P/1.6KV					

Ref. No.	Part No.	★	Description	Code
----------	----------	---	-------------	------

32U-S710

▲ Δ V101	VB80LJF3016* or VB80LJF30X/* or VB80ECK272X1E or VB80AKB50X/*	X	Picture Tube	CT
Δ L703	RCiLG0121GJZZ or RCiLGA028WJZZ or RCiLG0051MEZZ or RCiLG0118GJZZ	X	Degaussing Coil	AU
Δ	LHLDW0102GJKZ MSPRT0002MEZZ QCNW-0162GJZZ QEARC3102MEZZ	X	Wire Holder, x5 Spring Coating Earth Grounding Strap	AC AE AC AG

	CRT	DY	C610	R621	C678	SC850	R861	JB203
COMBI-NATION	ABOLJF30X	H0108ME	9100P/1.6KV	1.2/3W	0.047/400V			
	ABOLJF30X16	YC9331RF	9100P/1.6KV	1.2/3W				
	ABOECK272X96	AT6070	9100P/1.6KV	3.3/2W	0.039/400V			
	ABOAKB50X	TCD-820	9100P/1.6KV	3.3/2W	0.047/400V	V1011CE	100K 1/2W	2001CEFW

PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

32U-S600

PWB-A DUNTKA526WED2	—	MAIN Unit	—
PWB-B DUNTKA527WEB8	—	CRT Unit	—
PWB-C DUNTKA528WEA6	—	AV Unit	—
PWB-R DUNTKA533WEA0	—	P-IN-P Unit	—
PWB-S DUNTKB224WEA2	—	MTS MODULE Unit	—

32U-S710

PWB-A DUNTKA526WED7	—	MAIN Unit	—
PWB-B DUNTKA527WEC0	—	CRT Unit	—
PWB-C DUNTKA602WEA1	—	AV Unit	—
PWB-K DUNTKB223WEA0	—	2-TUNER Unit	—
PWB-R DUNTKA533WEA0	—	P-IN-P Unit	—
PWB-S DUNTKB224WEA1	—	MTS MODULE Unit	—

Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTKA526WED2(32U-S600)				
PWB-A: DUNTKA526WED7(32U-S710)				
MAIN UNIT				

TUNER

NOTE: THE PARTS HERES SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

△ TU51 VTUVTST5UF740 X Tuner AX

INTEGRATED CIRCUITS

△ IC201 RH-IX3395CEN2 J TB1252CN AY
 △ IC361 VHiAN5276/-1 J AN5276 AR
 △ IC501 VHiTA8427K/-1 J TA8427K AL
 IC680 VHiKiA358P+-1 R KIA358P AD

or

VHiIR9358/-1

or

VHiUPC358C/-1

△ IC701 VHiTEA1507/-1 J TEA1507P/N1 AL
 △ IC702 RH-FX0008GEZZ J PC123FY8 AE
 △ IC703 VHiSE125N/-1 X SE125N AK
 IC751 VHiSTV8164+-1 J I.C. AL
 IC2001 RH-IXA192WJZZ X TMPA8700CSF AY

or

RH-IXA192WJN1

	IC2001	L2040
COMB1-	IXA192WJZZ	BO159CE
NATION	IXA192WJN1	BO131CE

IC2040 VHiKiA7045A-1 J KIA7045AP AE

or

VHiKiA7045P-1

IC2101 VHiM24C16B/-1 J M24C16-BN6 AG

TRANSISTORS

Q201 VS2SC2735//1E J 2SC2735 AC
 Q205 VS2PD601AR/-1 J 2PD601AR AB
 Q206 VS2PD601AR/-1 J 2PD601AR AB
 Q361 VS2PB709AR/-1 J 2PB709AR AB
 Q402 VS2PB709AR/-1 J 2PB709AR AB
 Q405 VS2PD601AR/-1 J 2PD601AR AB
 Q410 VS2PD601AR/-1 J 2PD601AR (32U-S710) AB
 Q471 VS2PD601AR/-1 J 2PD601AR (32U-S710) AB
 Q472 VS2PD601AR/-1 J 2PD601AR (32U-S710) AB
 Q473 VS2PD601AR/-1 J 2PD601AR (32U-S710) AB
 Q474 VS2PD601AR/-1 J 2PD601AR (32U-S710) AB
 Q601 VS2SC2482//1 J 2SC2482 AD
 △ Q602 VS2SD2581++2E J 2SD2581++ AM
 Q616 VS2PD601AR/-1 J 2PD601AR AB
 Q634 VS2SC3198-G-1 J 2SC3198-G AA
 Q650 VS2SA1266-Y-1 J 2SA1266-Y AA
 Q672 VS2SA1266-Y-1 J 2SA1266-Y AA
 Q673 VS2SD2045//1 J 2SD2045 AL
 △ Q701 VSST9NC60FP1E X ST9NC60FP AP
 Q727 VS2SC3333//1 J 2SC3333 AG
 Q728 VS2SA1091-O1A J 2SA1091-O1 AA
 Q729 VS2SA1266-Y-1 J 2SA1266-Y AA
 Q730 VS2SC3198-G-1 J 2SC3198-G AA
 Q751 VS2SC3198-G-1 J 2SC3198-G AA
 Q752 VS2PD601AR/-1 J 2PD601AR AB

or

VS2SC1623L61E

Q753 VS2SC3198-G-1 J 2SC3198-G AA

Q801 VS2PD601AR/-1 J 2PD601AR AB

or

VS2SC1623L61E

Q901 VSIMX1C/C//1 J IMX1C/C// AB

Q902 VSIMX1C/C//1 J IMX1C/C// AB

Q903 VSIMX1C/C//1 J IMX1C/C// AB

Q908 VS2PD601AR/-1 J 2PD601AR AB

or

VS2SC1623L61E

Q2002 VS2SA1266-Y-1 J 2SA1266-Y AA

Q2059 VS2SC3198-G-1 J 2SC3198-G AA

Q2060 VS2PD601AR/-1 J 2PD601AR AB

Ref. No.	Part No.	★	Description	Code
	or			
Q2201	VS2SC1623L61E	J	2PD601AR	AB
	or			
Q2211	VS2SC1623L61E	J	2PD601AR	AB
	or			
	VS2SC1623L61E			

DIODES

D52 RH-EX0676GEZZ J Zener Diode, 32V AA
 D53 RH-EX0619GEZZ J Zener Diode, 6.2V AA
 D361 VHD1SS119//1 J Diode AB
 D362 VHD1SS119//1 J Diode AB
 △ D501 RH-DX0302CEZZ J Diode AC
 D510 RH-DX0441CEZZ J Diode AC
 D511 RH-EX0654CEZZ J Zener Diode, 75V AD
 D603 RH-EX0631GEZZ J Zener Diode, 9.1V AA
 △ D605 RH-DX0255CEZZ J Diode AC
 D615 RH-EX0665GEZZ J Zener Diode, 25V AA
 D621 RH-EX0631GEZZ J Zener Diode, 9.1V AA
 △ D622 RH-DX0131CEZZ J Diode AC
 D650 RH-EX0628GEZZ J Zener Diode, 8.2V AC
 ▲ △ D651 VHD1SS244//1 J Diode AB

or

VHD1SS82//1

▲ △ D652 RH-EX0641GEZZ J Zener Diode, 8.2V AA

▲ △ D653 VHD1SS119//1 J Diode AB

D657 VHD1SS119//1 J Diode AB

△ D673 RH-DX0229CEZZ J Diode AF

D706 RH-EX0644GEZZ J Zener Diode, 13V AB

D707 VHD1SS119//1 J Diode AB

or

VHD1SS244//1

D708 VHD1SS119//1 J Diode AB

or

VHD1SS244//1

△ D709 RH-DX0229CEZZ J Diode AF

△ D712 RH-DX0468CEZZ J Diode AE

△ D713 RH-DX0477CEZZ J Diode AF

D716 VHD1SS119//1 J Diode AB

D717 RH-EX0650GEZZ J Zener Diode, 16V AB

D721 VHD1SS119//1 J Diode AB

or

VHD1SS244//1

△ D725 RH-DX0407CEN1 X Diode AB

or

RH-DX0473CEZZ

D755 VHD1SS119//1 J Diode AB

D801 RH-EX0631GEZZ J Zener Diode, 9.1V AA

D802 RH-EX0631GEZZ J Zener Diode, 9.1V AA

D2402 RH-EX0619GEZZ J Zener Diode, 6.2V AA

D2403 RH-EX0619GEZZ J Zener Diode, 6.2V AA

△ VA701 RH-VX0019CEZZ J Varistor AC

or

RH-VX0048CEZZ

or

RH-VX0035CEZZ

PACKAGED CIRCUITS

△ PR701 RMPTP0072CEZZ J Packaged Circuit AH

or

RMPTP0059CEZZ

	PR701	L703
COMB1-	P0072CE (3POM)	G0051ME (G0118G)
NATION	P0059CE (3POM)	G0034ME (G0028ME)

X801 RCRSAA011WJZZ X Crystal AG

or

RCRSB0278CEZZ

FILTERS AND COILS

CF202 RFiLC0447CEZZ J Ceramic Filter AD

CF403 RFiLC0446CEZZ J Ceramic Filter AD

CF2040 RFiLA0099CEZZ J Ceramic Filter AE

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTKA526WED2(32U-S600)					PWB-A: DUNTKA526WED7(32U-S710)				
MAIN UNIT(Continued)									
SF201	RFILC0405CEZZ	J	SAW Filter	AH	C370	VCEA0A1CW227M	J	220 16V EL.	AC
L51	VP-CF270K0000	J	Peaking 27μH	AB	C371	VCEA0A1EW108M	J	1000 25V EL.	AD
L201	VP-XF1R2K0000	J	Peaking 1.2μH	AB	C372	VCEA0A1EW108M	J	1000 25V EL.	AD
L203	VP-DF100K0000	J	Peaking 10μH	AB	C373	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
L401	VP-XF100K0000	J	Peaking 10μH	AB	C374	VCEA0A1HW225M	J	2.2 50V EL.	AB
L642	RCILZ1027CEZZ	X	Coil	AD	C375	VCEA0A1HW225M	J	2.2 50V EL.	AB
	or				C410	VCQYTA1HM104J	J	0.1 50V Mylar	AA
	RCILZ0798CEZZ				C419	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
L671	RCILZ1005CEZZ	J	Coil	AH	C420	VCEA0A1CW476M	J	47 16V EL.	AB
△ L701	RCILFA010WJZZ	X	Coil	AE	C429	VCQYTA1HM103J	J	0.01 50V Mylar	AA
	or				C433	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
	RCILF0313CEZZ				C434	VCEA0A1HW105M	J	1 50V EL.	AB
	or				C435	VCQYTA1HM104J	J	0.1 50V Mylar	AA
	RCILF0273CEZZ				C471	VCKYCY1HB822K	J	8200p 50V Ceramic	AB
	or							(32U-S710)	
	RCILF0345CEZZ				C473	VCCCCY1HH561J	J	560p 50V Ceramic	AB
	or							(32U-S710)	
	RCILF0313CEZZ	J	Coil	AH	C475	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
△ L702	RCILFA010WJZZ							(32U-S710)	
	or				C476	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
	RCILF0273CEZZ							(32U-S710)	
	or				C484	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
	RCILF0345CEZZ							(32U-S710)	
L705	RCILP0179CEZZ	J	Coil	AD	C501	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
L729	RCILP0179CEZZ	J	Coil	AD	C502	VCEA0A1VW108M	J	1000 35V EL.	AD
L801	VP-DF100K0000	J	Peaking 10μH	AB	C510	VCFYSA1JB564J	J	0.56 63V Mylar	AE
L802	VP-DF6R8K0000	J	Peaking 6.8μH	AB	C511	VCKYPA2HB391K	J	390p 500V Ceramic	AA
L2040	RCILB0159CEZZ	J	Oscillation Coil	AE	C512	VCQYTA1HM683J	J	0.068 50V Mylar	AB
	or				C513	VCQYTA1HM103J	J	0.01 50V Mylar	AA
	RCILB0131CEZZ				C514	VCEA0A1VW107M	J	100 35V EL.	AC
TRANSFORMERS					C515	VCEACA1HC225J	J	2.2 50V EL.	AC
T201	RCILi0636CEZZ	X	IF Coil	AH	C516	VCEACA1HC225J	J	2.2 50V EL.	AC
△ T601	RTRNZ0057PEZZ	R	Transformer	AK	C517	VCEA0A1VW108M	J	1000 35V EL.	AD
△ T602	RTRNFA006WJZZ	X	H-Volt Transformer	AY	C519	VCFYSA1JB473J	J	0.047 63V Mylar	AC
△ T702	RTRNW0005GJZZ	X	Transformer	AP	C551	VCEACA1HC474M	J	0.47 50V EL.	AB
	or				C552	VCKYCY1HB392K	J	3900p 50V Ceramic	AA
	RTRNW0005GJN1				C553	VCKYCY1HB392K	J	3900p 50V Ceramic	AA
					C605	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
					C606	VCKYPA2HB561K	J	560p 500V Ceramic	AA
					C607	VCKYPA1HB472K	J	4700p 50V Ceramic	AA
					C608	RC-KZ0033CEZZ	J	150p 2kV Ceamic	AB
					△ △ C609	VCFFPD3ZA912H	J	9100p 1.8kV M-Poly.	AD
					△ △ C610	VCFFPD3ZA912H	J	9100p 1.8kV M-Poly.	AD
					C614	VCKYPA2HB272K	J	2700p 500V Ceramic	AA
					C615	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
					C616	VCEA0A1HW224M	J	0.22 50V EL.	AB
					C617	VCEA0A1HW474M	J	0.47 50V EL.	AB
					C618	VCKYCY1HB822K	J	8200p 50V Ceramic	AB
					C619	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
					C620	VCEA0A1CW477M	J	470 16V EL.	AC
					C623	VCEA4A2EN106M	J	10 250V EL.	AD
					C624	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
					C627	VCEA0A1HW106M	J	10 50V EL.	AB
					C631	VCKYPA1HB331K	J	330p 50V Ceramic	AA
					C632	VCEA0A1HW106M	J	10 50V EL.	AB
					C633	VCKYPA1HB102K	J	1000p 50V Ceramic	AA
					C644	VCFPVC2DB684J	X	0.68 200V M-Poly.	AG
					C647	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
					C650	VCEA0A1HW105M	J	1 50V EL.	AB
					C651	VCQYTA2AA104K	J	0.1 100V Mylar	AB
					C652	VCEA0A1VW476M	J	47 35V EL.	AB
					C653	VCEA0A1HW336M	J	33 50V EL.	AB
					C654	VCFYFA1HA334J	J	0.33 50V Mylar	AB
					C674	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
					C677	RC-FZ0377CEZZ	J	4.7 50V Plastic	AF
					△ △ C678	VCQPPC2GB473J	J	0.047 400V Plastic	AB
					C683	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
					C684	VCEA0A1VW106M	J	10 35V EL.	AB
					C685	VCQYTA1HM102J	J	1000p 50V Mylar	AA
					C686	VCQYTA1HM104J	J	0.1 50V Mylar	AA
					△ C701	RC-FZ038SCEZZ	J	0.047 AC125V Plastic	AE
						or			
						RC-FZ030SCEZZ			
						or			
						RC-FZ022SCEZZ			
					C702	RC-KZ0029CEZZ	J	0.01 500V Ceramic	AC

	T702	D706	RT11	RT15
COMBINATION	W0005GJZZ	EX0644GE (1/3V)	470K (1/8W)	390 (1/8W)
	W0005GJN1	-	390K (1/8W)	47 (1/8W)

CAPACITORS*[EL... Electrolytic, M-Poly... Metalized Polypro Film]*

C53	VCEA0A1HW105M	J	1 50V EL.	AB
C54	VCEA0A1HW475M	J	4.7 50V EL.	AB
C55	VCEA0A0JW338M	J	3300 6.3V EL.	AD
C201	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C202	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C203	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C204	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C223	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C224	VCEA0A1HW475M	J	4.7 50V EL.	AB
C225	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C226	VCEA0A1HW224M	J	0.22 50V EL.	AB
C227	VCEA0A1CW226M	J	22 16V EL.	AB
C228	VCKYCY1CF474Z	J	0.47 16V Ceramic	AB
C229	VCEA0A1AW228M	J	2200 10V EL.	AD
C230	VCEA0A1HW225M	J	2.2 50V EL.	AB
C231	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C232	VCEA0A1HW474M	J	0.47 50V EL.	AB
C233	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C361	VCEA0A1HW105M	J	1 50V EL.	AB
C362	VCQYTA1HM123J	J	0.012 50V Mylar	AA
C363	VCQYTA1HM123J	J	0.012 50V Mylar	AA
C364	VCEA0A1EW227M	J	220 25V EL.	AB
C365	VCEA0A1HW105M	J	1 50V EL.	AB
C366	VCEA0A1CW106M	J	10 16V EL.	AB
C367	VCEA0A1VW108M	J	1000 35V EL.	AD
C368	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C369	VCEA0A1CW227M	J	220 16V EL.	AC

Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTKA526WED2(32U-S600)				
PWB-A: DUNTKA526WED7(32U-S710)				
MAIN UNIT(Continued)				
C703	RC-KZ0029CEZZ	J	0.01 500V Ceramic	AC
△ C705	RC-EZ0720CEZZ	J	680 200V EL.	AN
(32U-S600)				
△ C705	RC-EZ0801CEZZ	X	680 200V EL.	AK
(32U-S710)				
C706	RC-KZ021SCEZZ	J	3300p 2kV Ceramic	AE
C710	RC-KZ0040CEZZ	J	820p 2kV Ceramic	AD
C711	RC-KZ021SCEZZ	J	3300p 2kV Ceramic	AE
C712	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C717	RC-KZ0029CEZZ	J	0.01 250V Ceramic	AC
C722	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C723	RC-EZ0724CEZZ	J	100 160V EL.	AG
C725	RC-EZ0810CEZZ	J	330 160V EL.	AH
or				
RC-EZ1171CEZZ				
C726	VCKYPH3DB561K	J	560p 2kV Ceramic	AC
C727	VCKYPH3DB561K	J	560p 2kV Ceramic	AC
C730	VCEA4A1VN108M	J	1000 35V EL.	AD
C731	RC-EZ0385CEZZ	J	1000 16V EL.	AE
C732	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C735	VCEA0A1CW106M	J	10 16V EL.	AB
C736	VCEA0A1CW106M	J	10 16V EL.	AB
C737	VCEA0A1CW107M	J	100 16V EL.	AC
C738	VCFPVC3CA722H	J	7200p 1.6kV M-Poly.	AF
C740	VCEA0A1EW476M	J	47 25V EL.	AB
C741	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C742	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C756	VCEA0A1CW476M	J	47 16V EL.	AB
C757	VCEA0A1CW476M	J	47 16V EL.	AB
C780	VCEA9M1EW226M	J	22 25V EL.	AB
C781	VCFYFA1HA334J	J	0.33 50V Mylar	AB
C784	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C787	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C801	VCCCCY1HH110J	J	11p 50V Ceramic	AA
C802	VCKYCY1HB222K	J	2200p 50V Ceramic	AA
C803	VCEA0A1HW224M	J	0.22 50V EL.	AB
C804	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C805	VCEA0A1CW337M	J	330 16V EL.	AC
C806	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C807	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C808	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C809	VCEA0A1CW106M	J	10 16V EL.	AB
C810	VCEA0A1CW106M	J	10 16V EL.	AB
C811	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C812	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C813	VCEA0A1CW107M	J	100 16V EL.	AC
C814	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C815	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C816	VCEA0A1CW107M	J	100 16V EL.	AC
C817	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C930	VCEA0A1HW335M	J	3.3 50V EL.	AB
C931	VCQYTA1HM183J	J	0.018 50V Mylar	AB
C932	VCQYTA1HM183J	J	0.018 50V Mylar	AB
C933	VCEA0A1HW335M	J	3.3 50V EL.	AB
C934	VCEA0A1CW476M	J	47 16V EL.	AB
C935	VCEA0A1HW335M	J	3.3 50V EL.	AB
C936	VCEA0A1HW335M	J	3.3 50V EL.	AB
C945	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C946	VCEA0A1HW225M	J	2.2 50V EL.	AB
C948	VCEA0A1HW225M	J	2.2 50V EL.	AB
C956	VCEA0A1CW337M	J	330 16V EL.	AC
C960	VCE9GA1HW475M	J	4.7 50V EL. (N.P)	AB
C961	VCE9GA1HW475M	J	4.7 50V EL. (N.P)	AB
C962	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2001	VCCCCY1HH331J	J	330p 50V Ceramic	AA
C2003	VCEA0A1HW106M	J	10 50V EL.	AB
C2004	VCEA0A1CW476M	J	47 16V EL.	AB
C2005	VCEA0A1CW106M	J	10 16V EL.	AB
C2040	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2041	VCEA0A1HW105M	J	1 50V EL.	AB
C2043	VCCCCY1HH331J	J	330p 50V Ceramic	AA
(32U-S710)				

Ref. No.	Part No.	★	Description	Code
C2044	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2060	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2061	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C2062	VCEA0A1AW107M	J	100 10V EL.	AB
C2063	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2064	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2201	VCKYCY1HB681K	J	680p 50V Ceramic	AA
C2202	VCCCCY1HH390J	J	39p 50V Ceramic	AA
C2203	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C2601	VCEA0A1HW476M	J	47 50V EL.	AB
C2602	VCCCCY1HH101J	J	100p 50V Ceramic	AA

RESISTORS*[M-Ox. ... Metal Oxide, M-Film ... Metal Film]*

RJ13	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ14	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ17	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ20	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ21	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
(32U-S710)				
RJ24	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ25	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ27	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ32	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ33	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ35	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ39	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ40	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ41	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ46	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ47	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ52	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ53	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ54	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ55	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ56	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ60	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ64	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
(32U-S710)				
RJ65	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ66	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ68	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
(32U-S600)				
RJ71	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
(32U-S710)				
RJ73	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ74	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ77	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
(32U-S600)				
RJ78	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ79	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ80	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ81	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ82	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ83	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ84	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ86	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ87	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ88	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ90	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ94	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ95	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ97	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ98	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ101	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
R57	VRS-CY1JF392J	J	3.9k 1/16W M-Ox.	AA
R201	VRS-CY1JF151J	J	150 1/16W M-Ox.	AA
R202	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA
R203	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA
R204	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R211	VRS-CY1JF331J	J	330 1/16W M-Ox.	AA
R212	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
R215	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA
R217	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R219	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code		
PWB-A: DUNTKA526WED2(32U-S600)					R512	VRD-RA2BE683J	J	68k 1/8W	Carbon	AA	
PWB-A: DUNTKA526WED7(32U-S710)					R513	VRS-CY1JF273J	J	27k 1/16W	M-Ox.	AA	
MAIN UNIT(Continued)					R514	VRS-CY1JF101J	J	100 1/16W	M-Ox.	AA	
R220	VRS-CY1JF392J	J	3.9k 1/16W	M-Ox.	AA	R520	VRS-CY1JF184J	J	180k 1/16W	M-Ox.	AA
R225	VRD-RA2BE680J	J	68 1/8W	Carbon	AA	R523	VRN-RL3DB1R0J+	X	1 2W	M-Film	AE
R226	VRD-RA2BE101J	J	100 1/8W	Carbon	AB	R524	VRS-RG3AB391J	X	390 1W	M-Ox.	AE
R227	VRS-CY1JF333J	J	33k 1/16W	M-Ox.	AA	R534	VRD-RA2BE181J	J	180 1/8W	Carbon	AA
R228	VRS-CY1JF102J	J	1k 1/16W	M-Ox.	AA	R551	VRS-CY1JF562F	J	5.6k 1/16W	M-Ox.	AA
R229	VRS-CY1JF221J	J	220 1/16W	M-Ox.	AA	R578	VRD-RA2BE123J	J	12k 1/8W	Carbon	AA
R233	VRS-CY1JF102J	J	1k 1/16W	M-Ox.	AA	R601	VRD-RM2HD220J	J	22 1/2W	Carbon	AA
R234	VRS-CY1JF103J	J	10k 1/16W	M-Ox.	AA	△ R604	VRS-KA3NG102J	J	1k 7W	M-Ox.	AD
R235	VRS-CY1JF103J	J	10k 1/16W	M-Ox.	AA	R605	VRD-RM2HD331J	J	330 1/2W	Carbon	AA
R236	VRS-CY1JF103J	J	10k 1/16W	M-Ox.	AA	R606	VRD-RM2HD271J	J	270 1/2W	Carbon	AA
R307	VRS-CY1JF333J	J	33k 1/16W	M-Ox.	AA	R609	VRS-RG3AB562J	X	5.6k 1W	M-Ox.	AE
R361	VRS-CY1JF224J	J	220k 1/16W	M-Ox.	AA	△ R611	VRW-KQ41C3R3K	J	3.3 15W	Cement	AG
R362	VRD-RA2BE222J	J	2.2k 1/8W	Carbon	AA	R612	VRS-CY1JF472J	J	4.7k 1/16W	M-Ox.	AA
R363	VRD-RA2BE222J	J	2.2k 1/8W	Carbon	AA	R613	VRS-CY1JF474J	J	470k 1/16W	M-Ox.	AA
R364	VRS-CY1JF122J	J	1.2k 1/16W	M-Ox.	AA	R614	VRS-CY1JF125J	J	1.2M 1/16W	M-Ox.	AA
			(32U-S710)			▲▲ R616	VRD-RA2BE103J	J	10k 1/8W	Carbon	AA
R364	VRS-CY1JF561J	J	560 1/16W	M-Ox.	AA	▲▲ R617	VRS-CY1JF103J	J	10k 1/16W	M-Ox.	AA
			(32U-S600)			▲▲ R618	VRS-CY1JF473J	J	47k 1/16W	M-Ox.	AA
R365	VRS-CY1JF122J	J	1.2k 1/16W	M-Ox.	AA	△ R621	VRN-RL3LB1R2J+	X	1.2 3W	M-Film	AE
			(32U-S710)			△ R622	VRN-RL2HCR68J	X	0.68 1/2W	M-Film	AE
R365	VRS-CY1JF561J	J	560 1/16W	M-Ox.	AA		or				
			(32U-S600)			△ R623	VRN-RL3AB1R0J	X	1 1W	M-Film	AE
R367	VRN-RL3DBR56J+	X	0.56 2W	M-Film	AE	R624	VRS-RG3DB332J	X	3.3k 2W	M-Ox.	AE
R368	VRD-RA2BE222J	J	2.2k 1/8W	Carbon	AA	R627	VRS-KT3LB471J	J	470 3W	M-Ox.	AD
R369	VRD-RA2BE822J	J	8.2k 1/8W	Carbon	AA	R631	VRS-RG3AB103J	J	10k 1W	M-Ox.	AB
R371	VRS-CY1JF102J	J	1k 1/16W	M-Ox.	AA	R633	VRD-RA2EE562J	J	5.6k 1/4W	Carbon	AA
R372	VRS-CY1JF223J	J	22k 1/16W	M-Ox.	AA	R635	VRD-RM2HD683J	J	68k 1/2W	Carbon	AA
R415	VRS-CY1JF101J	J	100 1/16W	M-Ox.	AA	R638	VRS-CY1JF822J	J	8.2k 1/16W	M-Ox.	AA
R417	VRS-CY1JF102J	J	1k 1/16W	M-Ox.	AA	R639	VRD-RA2BE561J	J	560 1/8W	Carbon	AA
			(32U-S710)			R640	VRD-RA2BE473J	J	47k 1/8W	Carbon	AA
R418	VRS-CY1JF562J	J	5.6k 1/16W	M-Ox.	AA	R641	VRD-RA2BE101J	J	100 1/8W	Carbon	AB
			(32U-S710)			R647	VRD-RM2HD220J	J	22 1/2W	Carbon	AA
R419	VRS-CY1JF562J	J	5.6k 1/16W	M-Ox.	AA	▲△ R651	VRN-RL2HC1R0J	X	1 1/2W	M-Film	AE
			(32U-S710)			▲△ R652	VRD-RA2EE103G	J	10k 1/4W	Carbon	AA
R430	VRD-RA2BE331J	J	330 1/8W	Carbon	AA	▲△ R653	VRD-RA2EE562G	J	5.6k 1/4W	Carbon	AA
R431	VRS-CY1JF331J	J	330 1/16W	M-Ox.	AA	▲△ R654	VRD-RA2EE333G*	X	33k 1/4W	Carbon	AE
R432	VRS-CY1JF102J	J	1k 1/16W	M-Ox.	AA	R655	VRS-CY1JF562J	J	5.6k 1/16W	M-Ox.	AA
R440	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA	R656	VRS-CY1JF474J	J	470k 1/16W	M-Ox.	AA
R453	VRS-CY1JF103J	J	10k 1/16W	M-Ox.	AA	R657	VRS-VV3DB123J	J	12k 2W	M-Ox.	AA
			(32U-S710)				(32U-S710)				
R454	VRD-RA2BE101J	J	100 1/8W	Carbon	AB	△ R658	VRS-VV3DB123J	J	12k 2W	M-Ox.	AA
			(32U-S710)			R659	VRS-CY1JF471J	J	470 1/16W	M-Ox.	AA
R471	VRS-CY1JF223J	J	22k 1/16W	M-Ox.	AA	R662	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA
			(32U-S710)			R663	VRS-CY1JF102J	J	1k 1/16W	M-Ox.	AA
R472	VRS-CY1JF821J	J	820 1/16W	M-Ox.	AA	R664	VRS-CY1JF471J	J	470 1/16W	M-Ox.	AA
			(32U-S710)			R666	VRS-CY1JF223J	J	22k 1/16W	M-Ox.	AA
R473	VRS-CY1JF102J	J	1k 1/16W	M-Ox.	AA	R667	VRS-CY1JF562J	J	5.6k 1/16W	M-Ox.	AA
			(32U-S710)			R668	VRD-RA2BE680J	J	68 1/8W	Carbon	AA
R474	VRS-CY1JF471J	J	470 1/16W	M-Ox.	AA	R669	VRS-CY1JF103J	J	10k 1/16W	M-Ox.	AA
			(32U-S710)			R670	VRD-RM2HD563J	J	56k 1/2W	Carbon	AA
R475	VRS-CY1JF102J	J	1k 1/16W	M-Ox.	AA	△ R671	VRS-RG2HC102J	J	1k 1/2W	M-Ox.	AA
			(32U-S710)			R672	VRD-RM2HD393J	J	39k 1/2W	Carbon	AA
R476	VRS-CY1JF393J	J	39k 1/16W	M-Ox.	AA	R674	VRD-RA2BE103J	J	10k 1/8W	Carbon	AA
			(32U-S710)			△ R675	VRN-RL3DB3R3J+	X	3.3 2W	M-Film	AE
R477	VRS-CY1JF182J	J	1.8k 1/16W	M-Ox.	AA	R677	VRD-RA2EE103J	J	10k 1/4W	Carbon	AA
			(32U-S710)			R678	VRD-RA2BE472J	J	4.7k 1/8W	Carbon	AA
R478	VRS-CY1JF151J	J	150 1/16W	M-Ox.	AA	R679	VRD-RM2HD103J	J	10k 1/2W	Carbon	AA
			(32U-S710)			R686	VRS-CY1JF473J	J	47k 1/16W	M-Ox.	AA
R479	VRS-CY1JF393J	J	39k 1/16W	M-Ox.	AA	R688	VRS-CY1JF223J	J	22k 1/16W	M-Ox.	AA
			(32U-S710)			R689	VRS-CY1JF102J	J	1k 1/16W	M-Ox.	AA
R480	VRS-CY1JF273J	J	27k 1/16W	M-Ox.	AA	R690	VRS-CY1JF683J	J	68k 1/16W	M-Ox.	AA
			(32U-S710)			R698	VRS-CY1JF101J	J	100 1/16W	M-Ox.	AA
R481	VRS-CY1JF152J	J	1.5k 1/16W	M-Ox.	AA	R699	VRS-CY1JF822J	J	8.2k 1/16W	M-Ox.	AA
			(32U-S710)			△ R702	VRW-KQ4AC1R2K	J	1.2 10W	Cement	AE
R482	VRD-RA2BE101J	J	100 1/8W	Carbon	AB	△ R703	VRS-VV3LB101J	J	100 3W	M-Ox.	AB
			(32U-S710)			R705	VRN-VV3DBR15J	J	0.15 2W	M-Film	AB
R483	VRS-CY1JF471J	J	470 1/16W	M-Ox.	AA	R706	VRN-VV3DBR15J	J	0.15 2W	M-Film	AB
			(32U-S710)			R707	VRD-RM2HD270J	J	27 1/2W	Carbon	AA
△ R501	VRN-RL3LB2R2J+	X	2.2 3W	M-Film	AB	R709	VRD-RA2BE223J	J	22k 1/8W	Carbon	AA
R510	VRD-RA2BE471J	J	470 1/8W	Carbon	AA	R710	VRS-RG2HC103J	J	10k 1/2W	M-Ox.	AA
R511	VRD-RA2BE393J	J	39k 1/8W	Carbon	AA	R712	VRD-RA2BE100J	J	10 1/8W	Carbon	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTKA526WED2(32U-S600)					R913	VRS-CY1JF392J	J	3.9k 1/16W M-Ox.	AA
PWB-A: DUNTKA526WED7(32U-S710)					R914	VRS-CY1JF102J	J	1k 1/16W M-Ox. (32U-S710)	AA
MAIN UNIT(Continued)					R914	VRS-CY1JF182J	J	1.8k 1/16W M-Ox. (32U-S600)	AA
R713	VRS-RG2HC122J+	X	1.2k 1/2W M-Ox.	AE	R915	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R714	VRD-RM2HD100J	J	10 1/2W Carbon	AA	R916	VRS-CY1JF683J	J	68k 1/16W M-Ox.	AA
R715	VRD-RA2BE391J	J	390 1/8W Carbon	AA	R917	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
R718	VRD-RA2BE102J	J	1k 1/8W Carbon	AA	R918	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
R723	VRN-RL3DBR22J	J	0.22 2W M-Film	AA	R922	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
△ R725	VRD-RM2HD821J	J	820 1/2W Carbon	AA	R923	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
△ R737	VRN-RL3DBR56J	X	0.56 2W M-Film	AE	R924	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
R744	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA	R925	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
R745	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA	R926	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
R746	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R927	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
R747	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R928	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
△ R750	RR-DZ0049CEZZ	J	3.9M 1/2W Solid	AB	R940	VRS-CY1JF221J	J	220 1/16W M-Ox.	AA
	or				R950	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
	RR-DZ0048CEZZ				R951	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
R751	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA	R952	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R766	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA	R961	VRS-CY1JF221J	J	220 1/16W M-Ox.	AA
R767	VRS-CY1JF273J	J	27k 1/16W M-Ox.	AA	R962	VRS-CY1JF221J	J	220 1/16W M-Ox.	AA
R768	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA	R963	VRD-RA2BE331J	J	330 1/8W Carbon	AA
R769	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R969	VRS-CY1JF221J	J	220 1/16W M-Ox.	AA
R770	VRD-RM2HD823J	J	82k 1/2W Carbon	AA	R989	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
R771	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA	R991	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R772	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R992	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA
R774	VRS-CY1JF393J	J	39k 1/16W M-Ox.	AA	R2001	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA
R775	VRS-CY1JF563J	J	56k 1/16W M-Ox.	AA	▲ △ R2002	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R776	VRN-VV3DB1R0J	J	1 2W M-Film	AB	R2004	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R777	VRS-KA3HG8R2K	J	8.2 5W M-Ox.	AD	▲ △ R2007	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA
R778	VRS-VV3AB101J	J	100 1W M-Ox.	AA	R2008	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R779	VRS-CY1JF273J	J	27k 1/16W M-Ox.	AA	▲ △ R2009	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
△ R789	VRS-CY1JF474J	J	470k 1/16W M-Ox.	AA	R2010	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R801	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA	R2011	VRD-RA2BE561J	J	560 1/8W Carbon	AA
R802	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R2013	VRD-RA2BE822J	J	8.2k 1/8W Carbon	AA
R804	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA	▲ △ R2016	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R805	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA	R2020	VRS-CY1JF102J	J	1k 1/16W M-Ox. (32U-S710)	AA
R806	VRS-CY1JF681J	J	680 1/16W M-Ox.	AA	R2022	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R807	VRS-CY1JF681J	J	680 1/16W M-Ox.	AA	R2024	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA
R808	VRS-CY1JF681J	J	680 1/16W M-Ox.	AA	R2025	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA
R809	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R2026	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA
R810	VRD-RA2BE101J	J	100 1/8W Carbon	AB	R2027	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R811	VRD-RA2BE101J	J	100 1/8W Carbon	AB	R2028	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R812	VRS-CY1JF224J	J	220k 1/16W M-Ox.	AA	R2029	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R813	VRD-RA2BE271J	J	270 1/8W Carbon	AA	R2040	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R814	VRD-RA2BE101J	J	100 1/8W Carbon	AB	R2041	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA
R815	VRD-RA2BE101J	J	100 1/8W Carbon	AB	R2042	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R816	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA	R2043	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA
R817	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA	R2044	VRS-CY1JF153J	J	15k 1/16W M-Ox. (32U-S600)	AA
R818	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA	R2045	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R819	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R2047	VRS-CY1JF221J	J	220 1/16W M-Ox.	AA
R820	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R2048	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA
R821	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R2051	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R822	VRD-RA2BE101J	J	100 1/8W Carbon	AB	R2052	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R830	VRD-RA2BE102J	J	1k 1/8W Carbon	AA	R2054	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R901	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA	R2055	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R902	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA	R2060	VRS-CY1JF221J	J	220 1/16W M-Ox.	AA
R903	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA	R2061	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA
R904	VRS-CY1JF683J	J	68k 1/16W M-Ox. (32U-S600)	AA	R2063	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA
R904	VRS-CY1JF823J	J	82k 1/16W M-Ox. (32U-S710)	AA	R2064	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA
R905	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	R2066	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R906	VRS-CY1JF392J	J	3.9k 1/16W M-Ox.	AA	R2067	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
R907	VRS-CY1JF102J	J	1k 1/16W M-Ox. (32U-S710)	AA	R2081	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R907	VRS-CY1JF182J	J	1.8k 1/16W M-Ox. (32U-S600)	AA	R2084	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R909	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA	R2085	VRS-CY1JF102J	J	1k 1/16W M-Ox. (32U-S710)	AA
R910	VRD-RA2BE102J	J	1k 1/8W Carbon	AA	R2101	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R911	VRS-CY1JF683J	J	68k 1/16W M-Ox. (32U-S600)	AA	R2102	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R911	VRS-CY1JF823J	J	82k 1/16W M-Ox. (32U-S710)	AA	R2201	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA
R912	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	R2202	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
					R2203	VRS-CY1JF184J	J	180k 1/16W M-Ox.	AA
					R2204	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTKA526WED2(32U-S600)					P401	QPLGN0861CEZZ	J	Plug, 8-pin(GBN) (32U-S710)	AC
PWB-A: DUNTKA526WED7(32U-S710)					P403	QPLGN0561CEZZ	J	Plug, 5-pin(GBN) (32U-S600)	AB
MAIN UNIT(Continued)					P601	QPLGN0161FJZZ	J	Plug, 6-pin(K)	AE
R2211	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA	P621	QPLGN0761CEZZ	J	Plug, 7-pin(YBN) (32U-S710)	AD
R2212	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA	P622	QPLGN0461CEZZ	J	Plug (32U-S600)	AB
R2213	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA	P651	QPLGN0361CEZZ	J	Plug, 3-pin(P651-3)	AB
R2401	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	P701	QPLGN0460CEZZ	J	Plug, 4-pin(M)	AC
R2402	VRD-RA2BE101J	J	100 1/8W Carbon	AB	P703	QPLGN0269GEZZ	J	Plug, 2-pin(P)	AB
R2403	VRD-RA2BE101J	J	100 1/8W Carbon	AB	P705	QPLGN0160CEZZ	J	Plug, 1-pin(SG)	AB
R2404	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	P1301	QPLGN0561CEZZ	J	Plug, 5-pin(EJ) (32U-S600)	AB
R2501	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA	P1301	QPLGN0661CEZZ	J	Plug, 6-pin(EJ) (32U-S710)	AD
R2502	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA	P1303	QPLGN1061CEZZ	J	Plug, 10-pin(TA) (32U-S710)	AC
R2503	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	P1901	QPLGN1559REZZ	J	Plug, 15-pin(VA)	AC
R2504	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	P1902	QPLGN1559REZZ	J	Plug, 15-pin(VB)	AC
R2505	VRS-CY1JF822J	J	8.2k 1/16W M-Ox.	AA	P1903	QPLGN1059REZZ	J	Plug, 10-pin(VB)	AC
R2506	VRS-CY1JF822J	J	8.2k 1/16W M-Ox.	AA	P2401	QPLGN0561CEZZ	J	Plug, 5-pin	AB
R2507	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA	SC3001	QSOCN0259FJ00	J	Socket, 10-pin(EA)	AE
R2508	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA	SC3002	QSOCN0255FJ00	J	Socket, 6-pin(EB) (32U-S710)	AD
R2601	VRD-RA2BE470J	J	47 1/8W Carbon	AA	RMC2601	RRMCU0222CEZZ	J	R/C Receiver	AL
R2603	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA		or			
R2605	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA		RRMCU0235CEZZ			
SWITCHES					RDA361	PRDAR0108GJFW	X	Heat Sink, for IC361	AC
S2501	QSW-K0003AJZZ	J	Power	AB	RDA501	PRDAR0113GJFW	J	Heat Sink, for IC501	AH
	or				RDA602	PRDAR0114GJFW	J	Heat Sink, for Q602	AH
	QSW-K0079GEZZ				RDA673	PRDAR1007MEFW	J	Heat Sink, for Q673	AH
	or				RDA701	PRDAR0117GJFW	J	Heat Sink, for Q701	AL
S2502	QSW-K0003AJZZ	J	Menu	AB	RDA751	PRDAR0111GJFW	J	Heat Sink, for IC751	AF
	or				TP100	QLUGP0102PEZZ	R	Lug, Test Point (32U-S710)	AA
	QSW-K0079GEZZ					LHLDW1002PEZZ	R	Holder	AB
	or					LX-BZ3049GEFD	J	Screw	AA
S2503	QSW-K0003AJZZ	J	VOL-Down	AB		LX-BZ3100CEFD	J	Screw	AA
	or					LX-HZ3007MEFD	X	Screw	AF
	QSW-K0079GEZZ					MSPRK0034BMFW	J	Spring	AC
	or					QCNW-A476WJZZ	X	Connecting Cord (32U-S710)	AB
S2504	QSW-K0003AJZZ	J	VOL-Up	AB					
	or								
	QSW-K0079GEZZ								
	or								
S2505	QSW-K0003AJZZ	J	CH-Down	AB					
	or								
	QSW-K0079GEZZ								
	or								
S2506	QSW-K0003AJZZ	J	CH-Up	AB					
	or								
	QSW-K0079GEZZ								
	or								
	QSW-K0202PEZZ								
MISCELLANEOUS PARTS									
△ RY701	RRLYJ0081CEZZ	J	Relay	AL					
	or								
	RRLYJ0094CEZZ								
△ F701	QFS-B4023CEZZ	J	Fuse, 4A/AC125V	AC					
FH701	QFSDH1013CEZZ	J	Fuse Holder	AC					
FH702	QFSDH1014CEZZ	J	Fuse Holder	AC					
FB601	RBLN-0037CEZZ	J	Ferrite Bead	AB					
FB671	RBLN-0037CEZZ	J	Ferrite Bead	AB					
FB702	RBLN-0020CEZZ	J	Ferrite Bead	AB					
FB706	RBLN-0037CEZZ	J	Ferrite Bead	AB					
FB707	RBLN-0037CEZZ	J	Ferrite Bead	AB					
J901	QTANJ0540CEZZ	X	Terminal (32U-S600)	AH					
J901	QTANZA004WJZZ	X	Terminal (32U-S710)	AU					
J902	QTANJ0655CEZZ	J	Terminal	AK					
J904	QJAKG0074CEZZ	J	Jack (32U-S600)	AF					
J904	QJAKG0091CEZZ	X	Jack (32U-S710)	AH					
J921	QSOCN0430CEZZ	J	Socket	AE					
P52	QPLGN0160CEZZ	J	Plug	AB					
P361	QPLGN0461CEZZ	J	Plug, 4-pin(S)	AB					

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-B: DUNTKA527WEB8(32U-S600)									
PWB-B: DUNTKA527WEC0(32U-S710)									
CRT UNIT									
INTEGRATED CIRCUIT									
△ IC850	VHITDA6103Q-1	J	TDA6103Q/N3	AL	R856	VRD-RM2HD224J	J	220k 1/2W Carbon	AA
TRANSISTORS					R857	VRD-RM2HD224J	J	220k 1/2W Carbon	AA
Q850	VS2SA1266-Y-1	J	2SA1266-Y	AA	R858	VRD-RM2HD224J	J	220k 1/2W Carbon	AA
Q851	VS2SC3198-G-1	J	2SC3198-G	AA	R862	VRC-MA2HG152K	J	1.5k 1/2W Solid	AA
Q1504	VS2SC3198-G-1	J	2SC3198-G (32U-S710)	AA	R863	VRC-MA2HG152K	J	1.5k 1/2W Solid	AA
Q1505	VS2SA1266-Y-1	J	2SA1266-Y (32U-S710)	AA	R864	VRC-MA2HG152K	J	1.5k 1/2W Solid	AA
Q1506	VS2SA1964E/-1	J	2SA1964E (32U-S710)	AF	R867	VRS-SV2HC392J	J	3.9k 1/2W M-Ox.	AA
Q1507	VS2SC5248E/-1	J	2SC5248E (32U-S710)	AE	R868	VRS-SV2HC222J	J	2.2k 1/2W M-Ox.	AA
DIODES					R870	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
D850	RH-DX0220CEZZ	J	Diode	AB	R871	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
D851	RH-DX0220CEZZ	J	Diode	AB	R872	VRD-RA2EE680J	J	68 1/4W Carbon	AA
D852	RH-DX0220CEZZ	J	Diode	AB	R873	VRD-RM2HD224J	J	220k 1/2W Carbon	AA
D853	RH-EX0647GEZZ	J	Zener Diode, 15V	AA	R874	VRD-RM2HD184J	J	180k 1/2W Carbon	AA
	or				R875	VRD-RM2HD184J	J	180k 1/2W Carbon	AA
	RH-EX0417GEZZ				R876	VRD-RM2HD184J	J	180k 1/2W Carbon	AA
D854	VHD1SS119//1	J	Diode	AB	R877	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
D855	VHD1SS119//1	J	Diode	AB	△ R878	VRS-SV2HC120J	J	12 1/2W M-Ox.	AA
D897	RH-DX0220CEZZ	J	Diode	AB	R1511	VRD-RA2BE101J	J	100 1/8W Carbon	AB
D898	RH-DX0220CEZZ	J	Diode	AB				(32U-S710)	
D899	RH-DX0220CEZZ	J	Diode	AB	△ R1513	VRS-VV3DB561J	J	560 2W M-Ox.	AA
D1502	VHD1SS119//1	J	Diode (32U-S710)	AB				(32U-S710)	
D1503	VHD1SS119//1	J	Diode (32U-S710)	AB	R1514	VRD-RA2BE100J	J	10 1/8W Carbon	AA
D1506	RH-DX0487CEZZ	J	Diode (32U-S710)	AC				(32U-S710)	
D1507	RH-DX0487CEZZ	J	Diode (32U-S710)	AC	R1515	VRD-RA2BE820J	J	82 1/8W Carbon	AA
D1510	VHD1SS119//1	J	Diode (32U-S710)	AB				(32U-S710)	
CAPACITORS					R1516	VRD-RA2BE820J	J	82 1/8W Carbon	AA
	[EL... Electrolytic]							(32U-S710)	
C850	VCFYSB2EB823J	J	0.082 250V Mylar	AD	R1517	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA
C851	RC-KZ018JCEZZ	J	0.01 AC250V Ceramic	AC				(32U-S710)	
	or				R1518	VRD-RA2BE683J	J	68k 1/8W Carbon	AA
	RC-KZ015JCEZZ							(32U-S710)	
C852	VCEA0A1CW227M	J	220 16V EL.	AC	R1519	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
C853	VCFYFA1HA224J	J	0.22 50V Mylar	AB				(32U-S710)	
C854	VCEA0A1CW227M	J	220 16V EL.	AC	R1520	VRD-RA2BE683J	J	68k 1/8W Carbon	AA
C855	VCEA0A2EW106M	J	10 250V EL.	AD				(32U-S710)	
C856	VCEA0A1CW106M	J	10 16V EL.	AB	R1521	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA
C1501	VCEA0A1EW476M	J	47 25V EL.	AB				(32U-S710)	
			(32U-S710)		R1522	VRD-RA2EE471J	J	470 1/4W Carbon	AA
C1506	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA				(32U-S710)	
			(32U-S710)		R1525	VRD-RA2EE560J	J	56 1/4W Carbon	AA
C1508	VCKYPA2HB472K	J	4700p 500V Ceramic	AB				(32U-S710)	
			(32U-S710)		R1526	VRD-RA2EE560J	J	56 1/4W Carbon	AA
C1509	VCKYPA1HB472K	J	4700p 50V Ceramic	AA				(32U-S710)	
			(32U-S710)		R1527	VRD-RM2HD1R5J	J	1.5 1/2W Carbon	AA
C1510	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA				(32U-S710)	
			(32U-S710)		R1528	VRD-RM2HD1R5J	J	1.5 1/2W Carbon	AA
C1511	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA				(32U-S710)	
			(32U-S710)		R1529	VRS-VV3DB221J	J	220 2W M-Ox.	AA
C1515	VCEA0A1EW476M	J	47 25V EL.	AB				(32U-S710)	
			(32U-S710)		R1530	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA
C1516	VCEA0A1EW476M	J	47 25V EL.	AB				(32U-S710)	
			(32U-S710)		R864	VRC-MA2HG152K	J	1.5k 1/2W Solid	AA
C1517	VCEA0A2AW106M	J	10 100V EL.	AC	MISCELLANEOUS PARTS				
			(32U-S710)		FB1501	RBLN-0020CEZZ	J	Ferrite Bead (32U-S710)	AB
C1518	VCCSPA2HL560K	J	56p 500V Ceramic	AA	P852	QPLGN0341CEZZ	J	Plug, 3-pin(PU) (32U-S710)	AA
			(32U-S710)		P854	QPLGN0441CEZZ	J	Plug (32U-S600)	AB
C1519	VCEA0A2CW106M	J	10 160V EL.	AD				(32U-S710)	
			(32U-S710)		P854	QPLGN0741CEZZ	J	Plug, 7-pin(YBN)	AC
RESISTORS								(32U-S710)	
	[M-Ox... Metal Oxide]				P860	QPLGN0541CEZZ	J	Plug, 5-pin(GBN)	AB
R850	VRS-SV2HC152J	J	1.5k 1/2W M-Ox.	AA				(32U-S600)	
R851	VRS-SV2HC152J	J	1.5k 1/2W M-Ox.	AA	P860	QPLGN0841CEZZ	J	Plug, 8-pin(GBN)	AB
R852	VRS-SV2HC152J	J	1.5k 1/2W M-Ox.	AA				(32U-S710)	
△ R853	VRS-SV2HC272J	J	2.7k 1/2W M-Ox.	AA	SC850	QSOCV0937CEZZ	J	CRT Socket	AL
△ R854	VRS-SV2HC272J	J	2.7k 1/2W M-Ox.	AA				or	
△ R855	VRS-SV2HC272J	J	2.7k 1/2W M-Ox.	AA				QSOCV1011CEZZ	
					RDA850	PRDAR0248PEFW	R	Heat Sink, for IC850	AF
					RDA1506	PRDAR5072CEFW	J	Heat Sink, for Q1506	AC
								(32U-S710)	
					RDA1507	PRDAR5072CEFW	J	Heat Sink, for Q1507	AC
								(32U-S710)	
						LX-BZ3100CEFD	J	Screw	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-C: DUNTKA528WEA6(32U-S600)									
PWB-C: DUNTKA602WEA1(32U-S710)									
AV UNIT									
INTEGRATED CIRCUITS									
IC1401	VHiTC90A45F-1	J	TC90A45F (32U-S600)	AM	C1428	VCKYCY1HF103Z	J	0.01 50V (32U-S710)	Ceramic AA
IC1401	VHiTC90A53F-1*	X	TC90A53F (32U-S710)	AV	C1429	VCKYCY1HB103K	J	0.01 50V (32U-S600)	Ceramic AA
IC1900	VHiCXA2089Q-1	J	CXA2089Q	AN	C1429	VCKYCY1HF103Z	J	0.01 50V (32U-S710)	Ceramic AA
TRANSISTORS					C1430	VCE9GA1CW106MJ	J	10 16V	EL. (N.P) AB
Q1401	VS2PD601AR/-1	J	2PD601AR	AB	C1435	VCKYCY1HF103Z	J	0.01 50V (32U-S710)	Ceramic AA
	or				C1436	VCKYCY1CF104Z	J	0.1 16V (32U-S710)	Ceramic AA
	VS2SC1623L61E				C1436	VCKYCY1HF103Z	J	0.01 50V (32U-S600)	Ceramic AA
Q1404	VS2PD601AR/-1	J	2PD601AR	AB	C1439	VCE9GA1CW106M	J	10 16V	EL. (N.P) AB
	or				C1440	VCEA0A1CW106M	J	10 16V (32U-S710)	EL. AB
	VS2SC1623L61E				C1441	VCKYCY1HF103Z	J	0.01 50V	Ceramic AA
Q1405	VS2PD601AR/-1	J	2PD601AR	AB	C1442	VCFYFA1HA474J	J	0.47 50V	Mylar AC
	or				C1443	VCKYCY1HF103Z	J	0.01 50V	Ceramic AA
	VS2SC1623L61E				C1444	VCKYCY1HB472K	J	4700p 50V (32U-S710)	Ceramic AA
Q1406	VS2PB709AR/-1	J	2PB709AR (32U-S710)	AB	C1445	VCKYCY1CF104Z	J	0.1 16V (32U-S600)	Ceramic AA
	or				C1445	VCKYCY1HF103Z	J	0.01 50V (32U-S710)	Ceramic AA
	VS2SA812-M51E				C1446	VCCCCY1HH181J	J	180p 50V	Ceramic AA
Q1406	VS2SA812-M51E	J	2SA812-M51 (32U-S600)	AC	C1447	VCKYCY1HF103Z	J	0.01 50V	Ceramic AA
	or				C1448	VCKYCY1CF104Z	J	0.1 16V (32U-S710)	Ceramic AA
	VS2PB709AR/-1				C1449	VCKYCY1CF104Z	J	0.1 16V (32U-S710)	Ceramic AA
Q1407	VS2PD601AR/-1	J	2PD601AR	AB	C1451	VCEA0A1CW107M	J	100 16V (32U-S710)	EL. AC
	or				C1452	VCKYCY1CF104Z	J	0.1 16V (32U-S710)	Ceramic AA
	VS2SC1623L61E				C1453	VCKYCY1HF103Z	J	0.01 50V	Ceramic AA
Q1408	VS2PB709AR/-1	J	2PB709AR (32U-S710)	AB	C1454	VCKYCY1HF103Z	J	0.01 50V	Ceramic AA
	or				C1455	VCKYCY1HF103Z	J	0.01 50V (32U-S710)	Ceramic AA
	VS2SA812-M51E				C1456	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
Q1408	VS2SA812-M51E	J	2SA812-M51 (32U-S600)	AC	C1457	VCEA0A1CW106M	J	10 16V (32U-S710)	EL. AB
	or				C1457	VCEA0A1CW476M	J	47 16V (32U-S600)	EL. AB
	VS2PB709AR/-1				C1458	VCEA0A1CW106M	J	10 16V	EL. AB
Q1409	VS2PD601AR/-1	J	2PD601AR	AB	C1460	VCKYCY1HF103Z	J	0.01 50V	Ceramic AA
	or				C1470	VCCCCY1HH100D	J	10p 50V	Ceramic AA
	VS2SC1623L61E				C1473	VCCCCY1HH100D	J	10p 50V	Ceramic AA
Q1907	VS2PD601AR/-1	J	2PD601AR	AB	C1474	VCCCCY1HH150J	J	15p 50V	Ceramic AA
	or				C1900	VCKYCY1HB681K	J	680p 50V	Ceramic AA
	VS2SC1623L61E				C1901	VCKYCY1HB681K	J	680p 50V	Ceramic AA
Q1909	VS2PB709AR/-1	J	2PB709AR (32U-S710)	AB	C1903	VCKYCY1HB681K	J	680p 50V	Ceramic AA
	or				C1904	VCEA0A1HW105M	J	1 50V	EL. AB
	VS2SA812-M51E				C1905	VCEA0A1HW105M	J	1 50V	EL. AB
Q1909	VS2SA812-M51E	J	2SA812-M51 (32U-S600)	AC	C1906	VCKYCY1HB681K	J	680p 50V	Ceramic AA
	or				C1907	VCEA0A1HW105M	J	1 50V	EL. AB
	VS2PB709AR/-1				C1908	VCKYCY1HB103K	J	0.01 50V (32U-S600)	Ceramic AA
COILS					C1908	VCKYCY1HF103Z	J	0.01 50V (32U-S710)	Ceramic AA
L1401	VP-XF100K0000	J	Peaking 10μH (32U-S710)	AB	C1909	VCEA0A1HW105M	J	1 50V	EL. AB
L1402	VP-XF100K0000	J	Peaking 10μH (32U-S710)	AB	C1910	VCEA0A1HW105M	J	1 50V	EL. AB
L1403	VP-DF151K0000	J	Peaking 150μH (32U-S710)	AB	C1911	VCEA0A1HW105M	J	1 50V	EL. AB
L1406	VP-XF330K0000	J	Peaking 33μH	AB	C1912	VCEA0A1HW105M	J	1 50V	EL. AB
L1407	VP-XF150K0000	J	Peaking 15μH (32U-S600)	AB	C1913	VCEA0A1HW105M	J	1 50V	EL. AB
L1407	VP-XF220K0000	J	Peaking 22μH (32U-S710)	AB	C1914	VCKYCY1HB681K	J	680p 50V	Ceramic AA
L1408	VP-XF100K0000	J	Peaking 10μH	AB	C1915	VCKYCY1HF103Z	J	0.01 50V	Ceramic AA
L1410	VP-XF100K0000	J	Peaking 10μH	AB	C1916	VCKYCY1HF103Z	J	0.01 50V	Ceramic AA
L1411	VP-XF100K0000	J	Peaking 10μH	AB	C1919	VCEA0A1HW105M	J	1 50V (32U-S710)	EL. AB
L1413	VP-XF330K0000	J	Peaking 33μH	AB	C1921	VCKYCY1HB681K	J	680p 50V	Ceramic AA
L1414	VP-XF330K0000	J	Peaking 33μH	AB	C1922	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
CAPACITORS					C1923	VCEA0A1CW477M	J	470 16V	EL. AC
<i>[EL. Electrolytic]</i>					C1926	VCEA0A1CW226M	J	22 16V	EL. AB
C1412	VCEA0A1CW106M	J	10 16V (32U-S710)	EL. AB	C1927	VCKYCY1HB681K	J	680p 50V	Ceramic AA
C1415	VCCCCY1HH220J	J	22p 50V	Ceramic AA					
C1416	VCEA0A1CW477M	J	470 16V	EL. AC					
C1420	VCCCCY1HH120J	J	12p 50V	Ceramic AA					
C1421	VCCCCY1HH120J	J	12p 50V	Ceramic AA					
C1424	VCCCCY1HH270J	J	27p 50V (32U-S710)	Ceramic AA					
C1424	VCCCCY1HH390J	J	39p 50V (32U-S600)	Ceramic AA					
C1428	VCKYCY1HB103K	J	0.01 50V (32U-S600)	Ceramic AA					

Ref. No.	Part No.	★	Description	Code
PWB-C: DUNTKA528WEA6(32U-S600)				
PWB-C: DUNTKA602WEA1(32U-S710)				
AV UNIT(Continued)				
C1928	VCEA0A1CW106M	J 10	16V EL. (32U-S600)	AB
C1928	VCEA0A1HW105M	J 1	50V EL. (32U-S710)	AB
C1929	VCKYCY1HB681K	J 680p	50V Ceramic	AA
C1937	VCEA0A1HW105M	J 1	50V EL.	AB
C1938	VCEA0A1HW105M	J 1	50V EL.	AB
C1939	VCEA0A1HW105M	J 1	50V EL.	AB
C1951	VCKYCY1HB681K	J 680p	50V Ceramic (32U-S710)	AA
RESISTORS				
<i>[M-Ox.... Metal Oxide]</i>				
RJ11	VRS-CY1JF000J	J 0	1/16W M-Ox. (32U-S600)	AA
RJ12	VRS-CY1JF000J	J 0	1/16W M-Ox. (32U-S710)	AA
RJ13	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ14	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ15	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ16	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ17	VRS-CY1JF000J	J 0	1/16W M-Ox. (32U-S600)	AA
RJ18	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ19	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ20	VRS-CY1JF000J	J 0	1/16W M-Ox. (32U-S710)	AA
RJ21	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ22	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ23	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ26	VRS-CY1JF000J	J 0	1/16W M-Ox. (32U-S600)	AA
R1401	VRS-CY1JF101J	J 100	1/16W M-Ox. (32U-S710)	AA
R1402	VRS-CY1JF681J	J 680	1/16W M-Ox.	AA
R1403	VRS-CY1JF102J	J 1k	1/16W M-Ox. (32U-S600)	AA
R1403	VRS-CY1JF332J	J 3.3k	1/16W M-Ox. (32U-S710)	AA
R1404	VRS-CY1JF102J	J 1k	1/16W M-Ox. (32U-S710)	AA
R1404	VRS-CY1JF182J	J 1.8k	1/16W M-Ox. (32U-S600)	AA
R1405	VRS-CY1JF471J	J 470	1/16W M-Ox.	AA
R1406	VRS-CY1JF102J	J 1k	1/16W M-Ox. (32U-S710)	AA
R1406	VRS-CY1JF821J	J 820	1/16W M-Ox. (32U-S600)	AA
R1407	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
R1420	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA
R1422	VRS-CY1JF473J	J 47k	1/16W M-Ox.	AA
R1423	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R1424	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
R1425	VRS-CY1JF221J	J 220	1/16W M-Ox.	AA
R1426	VRS-CY1JF391J	J 390	1/16W M-Ox.	AA
R1427	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
R1428	VRS-CY1JF473J	J 47k	1/16W M-Ox.	AA
R1429	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R1430	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
R1431	VRS-CY1JF122J	J 1.2k	1/16W M-Ox.	AA
R1432	VRS-CY1JF331J	J 330	1/16W M-Ox.	AA
R1433	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
R1434	VRS-CY1JF471J	J 470	1/16W M-Ox.	AA
R1435	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
R1456	VRS-CY1JF564J	J 560k	1/16W M-Ox. (32U-S710)	AA
R1457	VRS-CY1JF103J	J 10k	1/16W M-Ox. (32U-S710)	AA
R1458	VRD-RA2BE103J	J 10k	1/8W Carbon (32U-S710)	AA
R1459	VRS-CY1JF821J	J 820	1/16W M-Ox.	AA

Ref. No.	Part No.	★	Description	Code
R1466	VRS-CY1JF123J	J 12k	1/16W M-Ox. (32U-S710)	AA
R1467	VRS-CY1JF822J	J 8.2k	1/16W M-Ox. (32U-S710)	AA
R1473	VRS-CY1JF102J	J 1k	1/16W M-Ox. (32U-S710)	AA
R1475	VRS-CY1JF102J	J 1k	1/16W M-Ox. (32U-S710)	AA
R1900	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1930	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R1932	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R1935	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1936	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R1937	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1938	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R1941	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1942	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R1943	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1944	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R1945	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1946	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA
R1948	VRS-CY1JF101J	J 100	1/16W M-Ox. (32U-S710)	AA
R1954	VRD-RA2BE221J	J 220	1/8W Carbon	AA
R1955	VRD-RA2BE221J	J 220	1/8W Carbon	AA
R1956	VRS-CY1JF222J	J 2.2k	1/16W M-Ox.	AA
R1957	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R1958	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1959	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
R1960	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R1962	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R1964	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R1965	VRS-CY1JF222J	J 2.2k	1/16W M-Ox.	AA
R1966	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
R1971	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R1972	VRD-RA2BE101J	J 100	1/8W Carbon	AB

MISCELLANEOUS PARTS

P1904	QPLGN0541CEZZ	J	Plug, 5-pin(EJ) (32U-S600)	AB
P1904	QPLGN0641CEZZ	J	Plug, 6-pin(EJ) (32U-S710)	AB
SC1901	QSOCN1598REZZ	J	Socket, 15-pin(VA)	AD
SC1902	QSOCN1598REZZ	J	Socket, 15-pin(VB)	AD
SC1903	QSOCN1098REZZ	J	Socket, 10-pin(VC)	AC
SLD1901	PSLDM0102GJFW	J	Shield	AD

Ref. No.	Part No.	★	Description	Code
PWB-K: DUNTKB223WEA0(32U-S710)				
2-TUNER UNIT				

TUNER

NOTE: THE PARTS HERES SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

△ TU52	VTUVTBT5UR202	J	Tuner	BC
--------	---------------	---	-------	----

TRANSISTORS

Q81	VS2SA1266-Y-1	J	2SA1266-Y	AA
Q82	VS2SA1266-Y-1	J	2SA1266-Y	AA

DIODE

D62	RH-EX0673GEZZ	J	Zener Diode, 32V	AB
-----	---------------	---	------------------	----

COILS

L61	VP-CF100K0000	J	Peaking 10μH	AB
-----	---------------	---	--------------	----

CAPACITORS

[EL. ... Electrolytic]

C61	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C62	VCEA0A1AW228M	J	2200 10V EL.	AD
C63	VCEA0A0JW108M	J	1000 6.3V EL.	AC
C64	VCEA0A1HW105M	J	1 50V EL.	AB
C67	VCE9GA1CW106M	J	10 16V EL. (N.P)	AB
C81	VCQYTA1HM473J	J	0.047 50V Mylar	AA
C82	VCQYTA1HM472J	J	4700p 50V Mylar	AB
C83	VCEA0A1HW105M	J	1 50V EL.	AB

RESISTORS

[M-Ox. ... Metal Oxide]

R61	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA
R62	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R63	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R66	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R67	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R68	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R81	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R82	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R83	VRD-RA2BE151J	J	150 1/8W Carbon	AA
R84	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA
R85	VRD-RA2BE684J	J	680k 1/8W Carbon	AA
R86	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA

MISCELLANEOUS PARTS

P61	QPLGN1041CEZZ	J	Plug, 10-pin(TA)	AC
-----	---------------	---	------------------	----

Ref. No.	Part No.	★	Description	Code
PWB-R: DUNTKA533WEA0				
P-IN-P UNIT				

INTEGRATED CIRCUIT

IC1801	VHiM65667FP-2	J	M65667FP	BC
--------	---------------	---	----------	----

TRANSISTORS

Q1721	VS2PD601AR/-1	J	2PD601AR	AB
Q1741	VS2PB709AR/-1	J	2PB709AR	AB
Q1742	VS2PB709AR/-1	J	2PB709AR	AB
Q1761	VS2PB709AR/-1	J	2PB709AR	AB
Q1762	VS2PB709AR/-1	J	2PB709AR	AB
Q1791	VS2SC1959Y/1E	J	2SC1959Y	AC
Q1861	VS2PB709AR/-1	J	2PB709AR	AB
Q1881	VS2PD601AR/-1	J	2PD601AR	AB
Q1882	VS2PD601AR/-1	J	2PD601AR	AB
Q1883	VS2PD601AR/-1	J	2PD601AR	AB

DIODES

D1791	RH-EX0604GEZZ	J	Zener Diode, 4.3V	AB
D1801	VHD1SS119//1	J	Diode	AB
D1821	VHD1SS119//1	J	Diode	AB

CRYSTAL

X1861	RCRSB0283CEZZ	J	Crystal	AG
or				
RCRSB0241CEZZ				

COILS

L1721	VP-XF680K0000	J	Peaking 68μH	AB
L1801	VP-XF100K0000	J	Peaking 10μH	AB
L1821	VP-XF100K0000	J	Peaking 10μH	AB
L1861	VP-XF100K0000	J	Peaking 10μH	AB
L1862	VP-XF100K0000	J	Peaking 10μH	AB
L1863	VP-XF100K0000	J	Peaking 10μH	AB

CAPACITORS

[EL. ... Electrolytic]

C1721	VCE9GA1HW106M	J	10 50V EL. (N.P)	AB
C1722	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C1741	VCQYTA1HM473J	J	0.047 50V Mylar	AA
C1742	VCEA0A1HW105M	J	1 50V EL.	AB
C1743	VCQYTA1HM472J	J	4700p 50V Mylar	AB
C1761	VCQYTA1HM473J	J	0.047 50V Mylar	AA
C1762	VCEA0A1HW105M	J	1 50V EL.	AB
C1763	VCQYTA1HM682J	J	6800p 50V Mylar	AB
C1781	VCEA0A1CW476M	J	47 16V EL.	AB
C1791	VCEA0A1AW107M	J	100 10V EL.	AB
C1792	VCEA0A1AW107M	J	100 10V EL.	AB
C1801	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C1802	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1803	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1804	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C1805	VCEA0A1HW106M	J	10 50V EL.	AB
C1806	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C1807	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1809	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1810	VCEA0A1CW226M	J	22 16V EL.	AB
C1811	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C1812	VCEA0A1HW106M	J	10 50V EL.	AB
C1821	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C1822	VCEA0A1HW106M	J	10 50V EL.	AB
C1841	VCEA0A1HW106M	J	10 50V EL.	AB
C1842	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C1843	VCCCCY1HH680J	J	68p 50V Ceramic	AA
C1845	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1846	VCCCCY1HH151J	J	150p 50V Ceramic	AA
C1847	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1848	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C1849	VCEA0A1HW106M	J	10 50V EL.	AB
C1850	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C1851	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C1861	VCKYCY1CB104K	J	0.1 16V Ceramic	AB

Ref. No.	Part No.	★	Description	Code
PWB-R: DUNTKA533WEA0				
P-IN-P UNIT(Continued)				
C1862	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C1863	VCCCY1HH101J	J 100p	50V Ceramic	AA
C1865	VCFYFA1HA154J	J 0.15	50V Mylar	AC
C1866	VCQYTA1HM103J	J 0.01	50V Mylar	AA
C1867	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C1868	VCFYFA1HA474J	J 0.47	50V Mylar	AC
C1869	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C1870	VCEA0A1HW106M	J 10	50V EL.	AB
C1871	VCEA0A1HW106M	J 10	50V EL.	AB
C1872	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA

RESISTORS*[M-Ox.... Metal Oxide]*

RJ1	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ2	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ4	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ6	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ7	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ8	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ9	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ11	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ12	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ13	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ14	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ15	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
R1721	VRS-CY1JF332J	J 3.3k	1/16W M-Ox.	AA
R1722	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA
R1723	VRS-CY1JF822J	J 8.2k	1/16W M-Ox.	AA
R1724	VRS-CY1JF222J	J 2.2k	1/16W M-Ox.	AA
R1741	VRD-RA2BE102J	J 1k	1/8W Carbon	AA
R1742	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
R1743	VRS-CY1JF151J	J 150	1/16W M-Ox.	AA
R1744	VRS-CY1JF122J	J 1.2k	1/16W M-Ox.	AA
R1745	VRS-CY1JF474J	J 470k	1/16W M-Ox.	AA
R1746	VRS-CY1JF122J	J 1.2k	1/16W M-Ox.	AA
R1747	VRD-RA2BE822J	J 8.2k	1/8W Carbon	AA
R1761	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
R1762	VRS-CY1JF151J	J 150	1/16W M-Ox.	AA
R1763	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
R1764	VRS-CY1JF122J	J 1.2k	1/16W M-Ox.	AA
R1765	VRS-CY1JF474J	J 470k	1/16W M-Ox.	AA
R1766	VRS-CY1JF122J	J 1.2k	1/16W M-Ox.	AA
R1791	VRD-RA2BE151J	J 150	1/8W Carbon	AA
R1801	VRS-CY1JF473J	J 47k	1/16W M-Ox.	AA
R1821	VRS-CY1JF123J	J 12k	1/16W M-Ox.	AA
R1822	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA
R1823	VRS-CY1JF183J	J 18k	1/16W M-Ox.	AA
R1825	VRS-CY1JF183J	J 18k	1/16W M-Ox.	AA
R1828	VRS-CY1JF153J	J 15k	1/16W M-Ox.	AA
R1831	VRS-CY1JF332J	J 3.3k	1/16W M-Ox.	AA
R1832	VRS-CY1JF682J	J 6.8k	1/16W M-Ox.	AA
R1833	VRS-CY1JF272J	J 2.7k	1/16W M-Ox.	AA
R1834	VRS-CY1JF222J	J 2.2k	1/16W M-Ox.	AA
R1841	VRS-CY1JF153J	J 15k	1/16W M-Ox.	AA
R1842	VRS-CY1JF471J	J 470	1/16W M-Ox.	AA
R1843	VRS-CY1JF391J	J 390	1/16W M-Ox.	AA
R1861	VRS-CY1JF153J	J 15k	1/16W M-Ox.	AA
R1862	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
R1863	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
R1864	VRS-CY1JF221J	J 220	1/16W M-Ox.	AA
R1865	VRS-CY1JF474J	J 470k	1/16W M-Ox.	AA
R1866	VRS-CY1JF104J	J 100k	1/16W M-Ox.	AA
R1867	VRS-CY1JF202J	J 2k	1/16W M-Ox.	AA
R1868	VRS-CY1JF510J	J 51	1/16W M-Ox.	AA
R1871	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
R1881	VRS-CY1JF473J	J 47k	1/16W M-Ox.	AA
R1882	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R1883	VRS-CY1JF123J	J 12k	1/16W M-Ox.	AA
R1884	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1885	VRS-CY1JF473J	J 47k	1/16W M-Ox.	AA
R1886	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA

Ref. No.	Part No.	★	Description	Code
R1887	VRS-CY1JF123J	J 12k	1/16W M-Ox.	AA
R1889	VRD-RA2BE101J	J 100	1/8W Carbon	AB

MISCELLANEOUS PARTS

P1701	QPLGZ0810CEZZ	J	Plug, 8-pin	AD
P1702	QPLGZ0610CEZZ	J	Plug, 6-pin	AB
P1703	QPLGZ0810CEZZ	J	Plug, 8-pin	AD
SLD1801	PSLDM0012MEFW	J	Shield	AD

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-S: DUNTKB224WEA2(32U-600)									
PWB-S: DUNTKB224WEA1(32U-710)									
MTS MODULE UNIT									
INTEGRATED CIRCUITS									
IC3001	VHiCXA2074Q-1	J	CXA2074Q	AY	C3539	VCFYFA1HA334J	J	0.33 50V (32U-S710)	AB
IC3301	VHiMM1111XF1E	J	MM1111XFBE (32U-S710)	AE	C3540	VCEA0A1HW105M	J	1 50V (32U-S710)	AB
IC3501	VHiNJW1140G-1		I.C. (32U-S710)		C3541	VCEA0A1HW105M	J	1 50V (32U-S710)	AB
DIODES					RESISTORS				
D3501	RH-EX0619GEZZ	J	Zener Diode, 6.2V (32U-S710)	AA	<i>[M-Ox. ... Metal Oxide]</i>				
D3502	RH-EX0619GEZZ	J	Zener Diode, 6.2V (32U-S710)	AA	RJ6	VRS-CY1JF000J	J	0 1/16W (32U-S710)	AA
CAPACITORS					RJ7	VRS-CY1JF000J	J	0 1/16W (32U-S710)	AA
<i>[EL. ... Electrolytic]</i>					RJ8	VRS-CY1JF000J	J	0 1/16W (32U-S710)	AA
C3001	VCE9GA1HW475M	J	4.7 50V EL. (N.P)	AB	R2531	VRS-CY1JF221J	J	220 1/16W (32U-S710)	AA
C3002	VCKYCY1HB562K	J	5600p 50V Ceramic	AA	R2532	VRS-CY1JF221J	J	220 1/16W (32U-S710)	AA
C3003	VCQYTA1HM123J	J	0.012 50V Mylar	AA	R3001	VRD-RA2BE221J	J	220 1/8W Carbon	AA
C3004	VCEA0A1HW105M	J	1 50V EL.	AB	R3002	VRD-RA2BE221J	J	220 1/8W Carbon	AA
C3005	VCE9GA1HW475M	J	4.7 50V EL. (N.P)	AB	R3003	VRS-CY1JF105J	J	1M 1/16W M-Ox.	AA
C3006	VCEA0A1HW106M	J	10 50V EL.	AB	R3004	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
C3007	VCEA0A1HW475M	J	4.7 50V EL.	AB	R3005	VRS-CY1JF623J	J	62k 1/16W M-Ox.	AA
C3008	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA	R3007	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA
C3009	VCEA0A1CW227M	J	220 16V EL.	AC	R3008	VRS-CY1JF302J	J	3k 1/16W M-Ox.	AA
C3010	VCE9GA1HW475M	J	4.7 50V EL. (N.P)	AB	R3010	VRS-CY1JF392J	J	3.9k 1/16W M-Ox.	AA
C3011	VCEA0A1HW475M	J	4.7 50V EL.	AB	R3011	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
C3012	VCE9GA1HW475M	J	4.7 50V EL. (N.P)	AB	R3012	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
C3013	VCKYCY1HB272K	J	2700p 50V Ceramic	AA	R3301	VRS-CY1JF101J	J	100 1/16W (32U-S710)	AA
C3014	VCQYTA1HM473J	J	0.047 50V Mylar	AA	R3501	VRS-CY1JF472J	J	4.7k 1/16W (32U-S710)	AA
C3015	VCEACA1HC335K	J	3.3 50V EL.	AC	R3503	VRS-CY1JF221J	J	220 1/16W (32U-S710)	AA
C3016	VCE9GA1HW475M	J	4.7 50V EL. (N.P)	AB	R3533	VRS-CY1JF221J	J	220 1/16W (32U-S710)	AA
C3017	VCEACA1CC106K	J	10 16V EL.	AC	MISCELLANEOUS PARTS				
C3018	VCEA0A1HW105M	J	1 50V EL.	AB	P3001	QPLGN0242FJ00	J	Plug, 10-pin(EA)	AE
C3029	VCQYTA1HM682J	J	6800p 50V Mylar	AB	P3002	QPLGN0238FJ00	J	Plug, 6-pin(EB) (32U-S710)	AD
C3030	VCQYTA1HM682J	J	6800p 50V Mylar	AB					
C3031	VCQYTA1HM473J	J	0.047 50V Mylar	AA					
C3032	VCQYTA1HM473J	J	0.047 50V Mylar	AA					
C3033	VCE9GA1HW475M	J	4.7 50V EL. (N.P)	AB					
C3034	VCE9GA1HW475M	J	4.7 50V EL. (N.P) (32U-S710)	AB					
C3301	VCEA0A1HW106M	J	10 50V EL. (32U-S710)	AB					
C3302	VCKYCY1HF103Z	J	0.01 50V Ceramic (32U-S710)	AA					
C3303	VCEA0A1HW106M	J	10 50V EL. (32U-S710)	AB					
C3304	VCEA0A1HW106M	J	10 50V EL. (32U-S710)	AB					
C3501	VCQYTA1HM104J	J	0.1 50V Mylar (32U-S710)	AA					
C3502	VCFYFA1HA334J	J	0.33 50V Mylar (32U-S710)	AB					
C3503	VCQYTA1HM822J	J	8200p 50V Mylar (32U-S710)	AA					
C3509	VCEA0A1HW105M	J	1 50V EL. (32U-S710)	AB					
C3510	VCEA0A1HW105M	J	1 50V EL. (32U-S710)	AB					
C3511	VCEA0A1HW105M	J	1 50V EL. (32U-S710)	AB					
C3512	VCEA0A1HW105M	J	1 50V EL. (32U-S710)	AB					
C3513	VCEA0A1HW105M	J	1 50V EL. (32U-S710)	AB					
C3514	VCEA0A1CW476M	J	47 16V EL. (32U-S710)	AB					
C3515	VCKYCY1HB103K	J	0.01 50V Ceramic (32U-S710)	AA					
C3531	VCQYTA1HM104J	J	0.1 50V Mylar (32U-S710)	AA					
C3533	VCQYTA1HM223J	J	0.022 50V Mylar (32U-S710)	AA					

Ref. No.	Part No.	★	Description	Code
MISCELLANEOUS PARTS				
△ ACC701	QACCD3065CESA	J	AC Cord	AN
SP1	VSP1206PB648A	X	Speaker(L), 8 ohm	AN
	or			
SP2	VSP1206PB598A			
	VSP1206PB648A	X	Speaker(R), 8 ohm	AN
	or			
	VSP1206PB598A			
	LHLDFA002WJZZ	X	Wire Holder	AB
	LHLDK0014PEZZ	R	AC Cord Holder	AD
	LHLDW1002PEZZ	R	Wire Holder, x3	AB
	LHLDW1003PEZZ	R	Wire Holder(32U-S710)	AA
	LHLDW1009PEZZ	R	Wire Holder	AA
	LHLDW1033PEZZ	R	Wire Holder	AA
	LHLDW1037PEZZ	R	Wire Holder	AB
	LHLDW1060CEZZ	J	Wire Holder, x3	AB
	LHLDW1062PEKZ	R	Wire Holder	AD
	LHLDZ1003GJZZ	X	Wire Holder	AC
	LHLDZ1037MEZZ	X	Anode Clamp Holder, x2	AD
	LX-TZ0104GJFD	X	CRT Screw, x4	AF
	LX-TZ3004CEFD	J	Screw, x4	AA
	LX-WZ0104GJFD	X	CRT Washer, x4	AB
	QCNW-0135GJZZ	X	Connecting Cord(EJ)	AH
			(32U-S600)	
	QCNW-0136GJZZ	X	Connecting Cord(SP)	AC
	QCNW-0165GJZZ	X	Connecting Cord(EJ)	AD
			(32U-S710)	
	QCNW-A081GJZZ	X	Connecting Cord(YBN)	AG
			(32U-S710)	
	QCNW-A082GJZZ	X	Connecting Cord(GBN)	AH
			(32U-S710)	
	QCNW-A381WJZZ	X	Connecting Cord(TA)	AG
			(32U-S710)	
	QCNW-A382WJZZ	X	Connecting Cord(SG)	AF
	QCNW-A383WJZZ	X	Connecting Cord(IF)	AH
			(32U-S710)	
	QCNW-A435WJZZ	X	Connecting Cord(YBN)	AF
			(32U-S600)	
	QCNW-A436WJZZ	X	Connecting Cord(GBN)	AG
			(32U-S600)	
	TCAUH3044GJZZ	X	Caution Card	AB
	TLABM0002GJZZ	X	Model Label	AB
	TLABSA007WJZZ	X	SRS Label(32U-S710)	AB
	TLABZ0152GJZZ	X	Feature Label	AD
	TLABZA024WJZZ	X	No. Label(32U-S710)	AB
	XTASD30P12000	J	Screw, x2	AA
	XTASD30P12000	J	Screw, x4	AA
	XTASD40P20000	J	Screw, x8	AA

PACKING PARTS (NOT REPLACEMENT ITEM)

SPAKCA006WJZZ	—	Packing Case(32U-S600)	—
SPAKCA063WJZZ	—	Packing Case(32U-S710)	—
SPAKP0110GJZZ	—	Wrapping Paper	—
SPAKX0126GJZZ	—	Buffer Material(32U-S600)	—
SPAKX0128GJZZ	—	Buffer Material(32U-S710)	—
SSAKA0101GJZZ	—	Polyethylene Bag	—

Ref. No.	Part No.	★	Description	Code
SUPPLIED ACCESSORIES				
	QCNW-0236MEZZ	X	Coaxial Cable(32U-S710)	AF
	RRMCGA027WJSA	X	Infrared R/C Unit	AT
			(32U-S710)	
	RRMCGA036WJSB	X	Infrared R/C Unit	AV
			(32U-S600)	
	TGAN-0001GJZZ	X	Guarantee Card	AB
	TINS-A056WJZZ	X	Operation Manual	AH
			(32U-S600)	
	TINS-A110WJZZ	X	Operation Manual	AH
			(32U-S710)	

CABINET PARTS

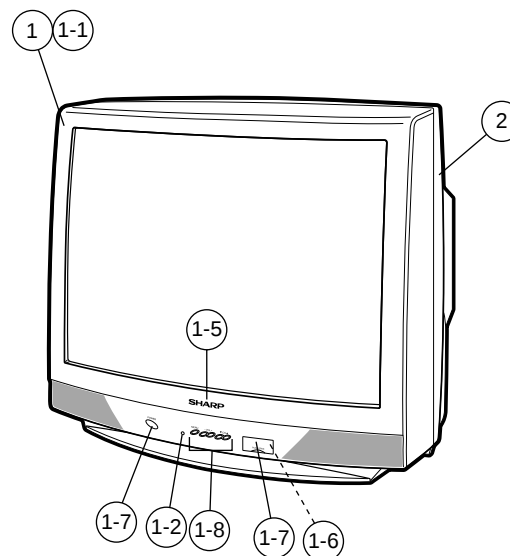
32U-S600

1	CCABA0174WEH0	X	Front Cabinet Ass'y	BK
1-1	<i>Not Available</i>	—	Front Cabinet	—
1-2	GCOVA0116GJKA	X	Cover, RC, LED	AC
1-3	GDORF0104GJKA	X	Door	AF
1-4	GCOVA0117GJKA	X	Door Cover	AF
1-5	HBDGB1009MESB	X	Badge, "SHARP"	AG
1-6	HiNDP0105GJKZ	X	Indication Plate	AE
1-7	JBTN-0136GJKA	X	Button, Power	AQ
1-8	JBTN-0137GJKA	X	Button, CH-Up/Down, VOL-Up/Down, Menu	AQ
2	GCABB0142GJKA	X	Rear Cabinet	BC

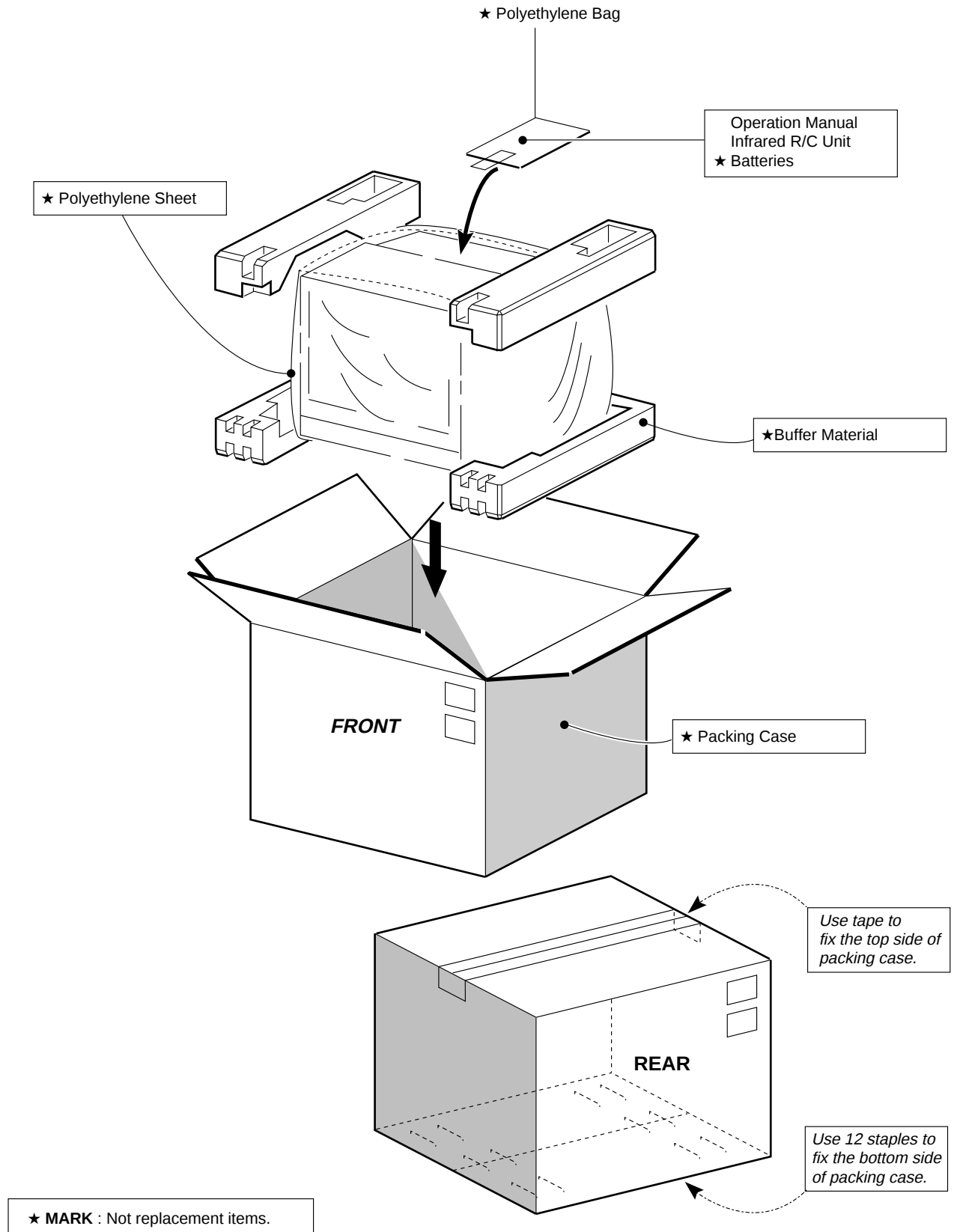
32U-S710

1	CCABAA030WEH0	X	Front Cabinet Ass'y	BF
1-1	<i>Not Available</i>	—	Front Cabinet	—
1-2	GCOVA0116GJKA	X	Cover, RC, LED	AC
1-3	GDORF0104GJKA	X	Door	AF
1-4	GCOVA0119GJKA	X	Door Cover	AF
1-5	HBDGB1009MESB	X	Badge, "SHARP"	AG
1-6	HiNDP0106GJKZ	X	Indication Plate	
1-7	JBTN-0119GJKB	X	Button, Power	
1-8	JBTN-0120GJKB	X	Button, CH-Up/Down, VOL-Up/Down, Menu	
2	GCABBA026WJKA	X	Rear Cabinet	BB

CABINET PARTS LOCATION



PACKING OF THE SET



SHARP

COPYRIGHT © 2002 BY SHARP CORPORATION

ALL RIGHTS RESERVED.

No part of this publication may be reproduced,
stored in a retrieval system, or transmitted in
any form or by any means, electronic, mechanical,
photocopying, recording, or otherwise, without
prior written permission of the publisher.